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OF THE

# Assembly of the State of New York.

## NINETY-FIFTH SESSION--1872.

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1872.

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# STATE OF NEW YORK.

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No. 1.

# IN ASSEMBLY,

January 2, 1872.

## LIST OF MEMBERS

### OF THE ASSEMBLY OF THE STATE OF NEW YORK FOR 1872.

| County. | District. | Name. |
|---|---|---|
| Albany | 1 | Stephen Springsteed. |
| | 2 | Henry Smith. |
| | 3 | Daniel L. Babcock. |
| | 4 | George B. Mosher. |
| Allegany | .. | William W. Crandall. |
| Broome | .. | William M. Ely. |
| Cattaraugus | 1 | Commodore P. Vedder. |
| | 2 | Enoch Holdridge. |
| Cayuga | 1 | Ira D. Brown. |
| | 2 | Elijah E. Brown. |
| Chautauqua | 1 | Matthew P. Bemus. |
| | 2 | Jerome Preston. |
| Chemung | .. | David B. Hill. |
| Chenango | .. | Andrew Shepardson. |
| Clinton | .. | Edmund Kingsland, 2d. |
| Columbia | 1 | Benjamin Ray. |
| | 2 | Milton M. Tompkins. |
| Cortland | .. | Dann C. Squires. |
| Delaware | 1 | William Lewis, Jr. |
| | 2 | Matthew Griffin. |



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| County. | District. | Name. |
|---|---|---|
| Dutchess | 1 | EDWARD M. GORING. |
| | 2 | HARVEY G. EASTMAN. |
| Erie | 1 | GEORGE CHAMBERS. |
| | 2 | GEORGE BALTZ. |
| | 3 | FRANKLIN A. ALBERGER. |
| | 4 | JOHN SIMSON. |
| | 5 | JOHN M. WILEY. |
| Essex | .. | FRANKLIN W. TOBEY. |
| Franklin | .. | JAMES H. PIERCE. |
| Fulton and Hamilton | .. | SAMUEL W. BUELL. |
| Genesee | .. | VOLNEY G. KNAPP. |
| Greene | .. | AUGUSTUS HILL. |
| Herkimer | .. | ELEAZER C. RICE. |
| Jefferson | 1 | OLIVER C. WYMAN. |
| | 2 | WILLIAM W. ENOS. |
| Kings | 1 | DAVID C. AITKEN. |
| | 2 | EDWARD D. WHITE. |
| | 3 | DOMINICK H. ROCHE. |
| | 4 | WILLIAM W. MOSELEY. |
| | 5 | EUGENE D. BERRI. |
| | 6 | PETER G. PECK. |
| | 7 | CHARLES B. MORTON. |
| | 8 | GEORGE C. BENNETT. |
| | 9 | JOHN C. JACOBS. |
| Lewis | .. | AMOS V. SMILEY. |
| Livingston | .. | ARCHIBALD KENNEDY. |
| Madison | 1 | JOHN W. LIPPITT. |
| | 2 | FRANCIS A. HYATT. |
| Monroe | 1 | GEORGE A. GOSS. |
| | 2 | GEORGE D. LORD. |
| | 3 | LEONARD BURRITT. |
| Montgomery | .. | WILLIAM J. VAN DEUSEN. |
| New York | 1 | JAMES HEALEY. |
| | 2 | JAMES DUNPHY. |
| | 3 | JAMES HAYES. |
| | 4 | JOHN J. BLAIR. |
| | 5 | DAVID S. PAIGE. |
| | 6 | TIMOTHY J. CAMPBELL. |
| | 7 | HORATIO N. TWOMBLY. |

| County. | District. | Name. |
|---|---|---|
| New York | 8 | Conrad Geib. |
| | 9 | Stephen Pell. |
| | 10 | Henry H. Haight. |
| | 11 | Rush C. Hawkins. |
| | 12 | William C. Cook. |
| | 13 | George H. Mackay. |
| | 14 | John A. Foley. |
| | 15 | Alexander Frear. |
| | 16 | Nicholas Haughton. |
| | 17 | Charles A. Flammer. |
| | 18 | Samuel J. Tilden. |
| | 19 | Thomas C. Fields. |
| | 20 | Severn D. Moulton. |
| | 21 | William Whitbeck. |
| Niagara | 1 | Isaac H. Babcock. |
| | 2 | George M. Swain. |
| Oneida | 1 | Martin L. Hungerford. |
| | 2 | Eleazer Beckwith. |
| | 3 | George K. Carroll. |
| | 4 | Albert L. Hayes. |
| Onondaga | 1 | Thomas G. Alvord. |
| | 2 | Peter Burns. |
| | 3 | Gustavus Sniper. |
| Ontario | 1 | Ambrose L. Van Dusen. |
| | 2 | Cyrillo S. Lincoln. |
| Orange | 1 | Robert H. Strahan. |
| | 2 | Frank Abbott. |
| Orleans | .. | E. Kirk Hart. |
| Oswego | 1 | Daniel G. Fort. |
| | 2 | Thomas W. Green. |
| | 3 | Chauncey S. Sage. |
| Otsego | 1 | Alfred Chamberlain. |
| | 2 | J. Lee Tucker. |
| Putnam | .. | James B. Dykeman. |
| Queens | 1 | L. Bradford Prince. |
| | 2 | James M. Oakley. |
| Rensselaer | 1 | Jason C. Osgood. |
| | 2 | John L. Snyder. |
| | 3 | Castle W. Herrick. |

| County. | District. | Name. |
|---|---|---|
| Richmond | .. | DAVID W. JUDD. |
| Rockland | .. | DANIEL TOMKINS. |
| St. Lawrence | 1 | DARIUS A. MOORE. |
| | 2 | DOLPHUS S. LYNDE. |
| | 3 | PARKER W. ROSE. |
| Saratoga | 1 | GEORGE WEST. |
| | 2 | NATHANIEL M. HOUGHTON. |
| Schenectady | .. | WILLIAM GREENHALGH. |
| Schoharie | .. | PETER COUCHMAN. |
| Schuyler | .. | HARMON L. GREGORY. |
| Seneca | .. | PETER LOTT. |
| Steuben | 1 | THOMAS M. FOWLER. |
| | 2 | JAMES B. MURDOCK. |
| Suffolk | .. | JOHN S. MARCY. |
| Sullivan | .. | FRANK BUCKLEY. |
| Tioga | .. | WILLIAM SMYTH. |
| Tompkins | .. | ANSON W. KNETTLES. |
| Ulster | 1 | ROBERT LOUGHRAN. |
| | 2 | C. MEECH WOOLSEY. |
| | 3 | ALLEN A. WHITTAKER. |
| Warren | .. | JOSEPH WOODWARD. |
| Washington | 1 | EDMUND W. HOLLISTER. |
| | 2 | GEORGE W. L. SMITH. |
| Wayne | 1 | EDWARD B. WELLS. |
| | 2 | LUCIEN T. YEOMANS. |
| Westchester | 1 | WILLIAM W. NILES. |
| | 2 | ALBERT BADEAU. |
| | 3 | JAMES W. HUSTED. |
| Wyoming | .. | JOHN N. DAVIDSON. |
| Yates | .. | GEORGE P. LORD. |

# STATE OF NEW YORK.

No. 2.

# IN ASSEMBLY,

January 2, 1872.

## ANNUAL MESSAGE OF THE GOVERNOR.

EXECUTIVE CHAMBER,
ALBANY, *January* 2, 1872.

*To the Legislature:*

It is my duty to make known to you the general condition of the State, and to recommend to you such matters as I judge expedient.

### STATE DEBT.

The unpaid principal of the war bounty debt was, on the 30th September last ($16,887,206.57), sixteen millions eight hundred and eighty-seven thousand two hundred and six dollars and fifty-seven cents. This portion of our debt will, by the annual tax provided by the terms of the act authorizing the loan, be paid in full in about five years. It was contracted and is to be paid in our present legal-tender currency.

The residue of the State debt, which amounts to ($12,595,495.95) twelve millions five hundred and ninety-five thousand four hundred and ninety-five dollars and

ninety-five cents, was contracted before the war, in gold, and the honor of the State and good faith demand that it shall be paid, both principal and interest, in gold coin. It is to be paid (except $48,860.11 loan of credit to the Long Island Railroad) out of revenues pledged for the purpose, and not by taxation, unless the sinking funds "shall prove insufficient to enable the State, on the credit of such funds, to procure the means to satisfy the claims of the creditors of the State as they become payable."

Of this last-mentioned species of debt ($2,257,900) two millions two hundred and fifty-seven thousand and nine hundred dollars of principal will be due on the 1st of July next, and ($847,500) eight hundred and forty-seven thousand and five hundred dollars of principal will be due on the 1st of January, 1873. The Comptroller is of the opinion, in which I concur, that there will be no difficulty in obtaining the means of meeting these payments, on the credit of the sinking funds, as authorized by the Constitution.

The entire State debt was, on the 30th of September last, ($29,482,702.52) twenty-nine millions four hundred and eighty-two thousand seven hundred and two dollars and fifty-two cents, the amount of principal paid in the last year being ($2,926,441.74) two millions nine hundred and twenty-six thousand four hundred and forty-one dollars and seventy-four cents.

## TAXES.

The State tax levied the past year is five mills and seventy-nine one hundred and twentieths of a mill. Of this tax, two mills were required for the annual payment

on the war bounty debt, one mill and a quarter for the support of the public schools, three-eighths of a mill to meet payments for work on the new Capitol, seventy-nine-one hundred and twentieths of a mill for canals, and one mill and three-eighths of a mill for general purposes. The total yield of the State tax is eleven millions six hundred and thirteen thousand nine hundred and forty-three dollars and sixty-one cents.

## NEW CAPITOL.

The new capitol commissioners report to me that of the six hundred and fifty thousand dollars appropriated by the Legislature at its last session, they have expended three hundred and forty-three thousand six hundred and thirty-one dollars and thirty-one cents up to the twenty-second day of November last; making, with what has been previously reported, about two millions thus far expended on the construction of the building, independent of about six hundred and fifty thousand dollars paid for land.

## SALT SPRINGS.

The quantity of salt from the Onondaga salt springs, inspected during the last fiscal year, was eight millions five hundred and seventy-nine thousand one hundred and ninety-three bushels. This shows a decrease of production, compared with the previous year, of two hundred and seventy-two thousand and fifty-four bushels. The net revenue to the State has been twenty-six thousand six hundred and fifty-six dollars and seventy-nine

cents, which is seven thousand two hundred and fifty-four dollars and twenty-eight cents less than that of the previous year.

## BANKS.

On the 1st of October last, sixty-nine banks were doing business under the banking law of this State. During the fiscal year circulating notes to the amount of forty-seven thousand seven hundred and seventy-seven dollars have been destroyed by the department. Twelve banks have been credited with lost circulation to the amount in all of sixty-four thousand seven hundred and twenty-five dollars; the time for redeeming the same, after the usual legal notice, having expired.

The amount of circulation outstanding, including that of incorporated banks, banking associations and individual bankers, was, on the 1st of October last, two millions one hundred and forty-one thousand four hundred and thirty-five dollars and fifty cents. Of this amount, the sum of one million three hundred and eighty-three thousand five hundred and twenty-five dollars is secured by deposits of stocks, mortgages and cash. The residue, being circulation issued by incorporated banks in existence prior to the passage of the general banking law, is, of course, not secured by any deposit in the bank department.

## SAVINGS BANKS.

There were, on the 1st of July last, one hundred and forty-three savings banks doing business in the State, with assets to the amount, in the aggregate, of two hundred

and sixty-six millions, two hundred and fifty-three thousand five hundred and ninety-four dollars. These assets may now be estimated, upon the ratio of increase of the year before, at two hundred and eighty millions of dollars. The number of persons having deposits in these institutions was, on the 1st of January, 1871, seven hundred and twelve thousand one hundred and nine.

I ask your especial attention to the necessity of being very cautious in the enactment of charters for savings banks. Some failures have occurred among this class of institutions during the past year. Being intended to induce saving habits among those of small means, by enabling them to obtain interest on the sums which they can, from time to time, lay aside from their daily earnings, it is the duty of the Legislature to provide in their charters every possible safeguard for the protection of the depositors. The object kept in view should be security more than high interest.

At my instance (Senator Palmer, then chairman of the Senate Committee on Banks, cordially co-operating with me), a law was passed at the Legislative session of 1869 (chapter 213 of the Laws of that year), requiring that all persons desiring to organize a savings bank should execute a certificate, setting forth the name of their projected institution, its intended place of business, the name, residence, occupation and post-office address of each member of the association, and containing a declaration from each one of them that he is willing to accept the duties of a trustee in such institution; and requiring that such certificate, with a copy of the proposed

charter, be filed with the Superintendent of the Banking Department, at least sixty days before the annual session of the Legislature. The law provides also that notice of intention to organize such an institution, giving the particulars contained in the certificate, shall be published in a newspaper of the neighborhood where it is proposed to be established, for six weeks. It then makes it the duty of the Superintendent of the Banking Department to transmit to the Legislature at its next meeting, a report concerning the expediency of incorporating each one of such proposed institutions. Every legislative committee to whom a bill for incorporating a savings bank shall be referred, which has been introduced otherwise than in the manner and with the preliminaries above described, is, by the terms of this law, required to report against the passage thereof. Of course, this law may be disregarded by a subsequent Legislature; but I recommend a strict compliance, on your part, with its provisions, as calculated to avoid a needless increase of these institutions and to guard against carelessly framed charters. I recommend to your consideration the propriety of restricting, by a general law, applicable to all savings banks, the amount which may be held on deposit for any one depositor, to a moderate sum. Those who deal in large amounts are usually capable of providing investments for themselves. It is not right that the funds of this latter class of persons should be mingled with those of less means, whose circumstances require a peculiar class of institutions, and for whom, specially, savings banks were created.

The tendency of late years to careless legislation in respect to savings banks and other moneyed incorporations, is shown by the fact that during the three years of my administration, I have found myself obliged to refuse my signature to sixty-eight bills for the incorporation of or increasing the powers of savings banks and other moneyed institutions under various names.

In connection with this topic, I call your attention to article 8, section 1 of the Constitution providing, that "corporations shall not be created by special act, except for municipal purposes, and in cases where, in the judgment of the Legislature, the objects of the corporation cannot be obtained under general laws." Of late years there has been a great tendency to overlook the intent of this limitation upon legislative power. It is true, the judgment of the Legislature is to decide whether, in any special case, they are justified in disregarding the general prohibition. This discretion, however, should be exercised not arbitrarily, but in harmony with the purpose and intent of the whole section; which was, obviously, to take away from the Legislature the right of creating corporations by special act, except where it was very clear that the object could not be obtained under general laws.

## INSURANCE DEPARTMENT.

The number of insurance companies subject to the supervision of the Insurance Department was, on the first day of December, 1871, 238, as follows:

| | |
|---|---|
| New York joint stock fire insurance companies | 84 |
| New York mutual insurance companies | 10 |
| New York marine insurance companies | 9 |
| New York life insurance companies | 40 |
| Fire insurance companies of other States | 53 |
| Marine insurance companies of other States | 2 |
| Life insurance companies of other States | 30 |
| Casualty insurance companies of other States | 3 |
| Foreign insurance companies | 7 |
| Total | 238 |

The total amount of stocks and mortgages held by the department for the protection of policy holders of life and casualty insurance companies of this State and of foreign insurance companies doing business within it, was eight millions fifty-one thousand one hundred and eighty-five dollars, as follows:

| | |
|---|---|
| For protection of policy holders generally in life insurance companies of this State | $4,104,035 00 |
| For protection of registered policy holders exclusively | 2,342,650 00 |
| For protection of casualty policy holders exclusively | 4,000 00 |
| For protection of fire policy holders in foreign insurance companies | 1,300,500 00 |
| For protection of life policy holders in foreign insurance companies | 300,000 00 |
| Total deposit | $8,051,185 00 |

The superintendent of the insurance department estimates that, toward reimbursing the loss by the fire at Chicago, companies organized under the laws of this State (not including those of other States and countries doing

business in this State) will contribute over twenty millions of dollars.

## STATE PRISONS.

The Comptroller's report will show, in detail, the earnings and expenses of the State prisons during the past year. The condition of our prisons is not satisfactory. Improvement can be secured, in my judgment, only by an amendment to the Constitution, which shall concentrate responsibility for their management.

I visited, as usual, all the prisons during the past year, for the purpose of hearing applications from the convicts for pardon or commutation of punishment. More than eight hundred applications for pardon or commutation have been made to me during the year. Eighty-four (84) pardons, twenty-nine commutations and five reprieves have been granted. I shall, in a few days, submit to you, as has been my practice every year, a statement of the particulars of these cases, including the reasons which, in each instance, have influenced my action.

## CHARITIES AND ASYLUMS.

The Annual Report of the Commissioners of Charities will give detailed information of the condition of the several State charities. I trust you will continue to provide for the early completion of the State lunatic asylums now being constructed, so as to afford additional room for the insane poor; to the end that, within a short period, all of this class may be removed from the county poor-houses. I again recommend, as I did

last year, an inquiry into the condition of pauper children in the several counties, with a view to providing for their removal, if found expedient, to proper asylums.

## EDUCATION.

The following statistics have been furnished me by the Department of Public Instruction, for the fiscal year ending September 30, 1871:

| | |
|---|---|
| Number of children attending Public Schools.. | 1,027,089 00 |
| Total receipts, including balance on hand, September 30th, 1870..... | $10,658,576 87 |
| Total expenditures ..... | 9,588,356 37 |
| Amount paid for teachers' wages..... | 6,678,377 51 |
| Amount paid for school-houses, repairs and furniture ..... | 1,587,276 39 |
| Estimated value of school-houses and sites.... | 23,613,201 00 |
| Number of persons attending normal schools, | 5,129 |
| Total number of school-houses..... | 11,721 |
| Number of teachers employed for the full legal term ..... | 17,828 |

For particulars and for suggestions relating to the administration of our Common School system, you are respectfully referred to the annual report of the Superintendent of Public Instruction, under whose care the educational affairs of the State have been so ably administered. I ask for the schools the most liberal legislative encouragement.

## State Militia.

The State Militia, known, now, as the "National Guard of the State of New York," numbers about twenty-four thousand officers, non-commissioned officers and privates. The details will be made known in the report of the Adjutant-General. This valuable force, essential to the security of public order, ought to be generously sustained by the Legislature. A contract has been made, in accordance with authority vested in the Governor by the law of last session, for supplying the force with breech-loading rifles.

The Adjutant-General has made very satisfactory progress in obtaining the adjustment and allowance of claims of the State against the general government for expenditures in the late war. At the time he came into office, the balance of the claims which had then been presented to the accounting officers of the treasury of the United States and were on file with them, unsettled, was $932,132.82, of which it had been estimated not more than fifty per cent could be recovered, owing to informalities of vouchers, and irregularities occurring in the hurry of the times when the expenditures were made; and it was suggested that the Comptroller should employ a special agent for the adjustment of these claims, to be compensated by a percentage upon the amount which should be recovered. The Adjutant-General, with my approval, placed the matter in the special charge of Colonel Stonehouse, the Assistant Adjutant-General, who was familiar with the origin of the claims, and detailed Captain Butler, of the Inspector General's Department, to assist him. There

has been recovered already the sum of $622,279.10, with the well assured prospect of an early adjustment of the whole balance left unsettled on the 1st January, 1869 (except certain items of interest on temporary bonds issued by the State which will require Congressional action), and the prospect also of establishing the validity of further claims upon the government. Additional claims to the amount of $364,107.07, have already been presented to the treasury department, and others to about the same amount will very soon be ready for presentation. The Legislature, at its last session, passed a concurrent resolution, authorizing me to appoint a special agent to prepare and collect these claims, and to award to him such a per centage of the amount collected as I might deem just and proper. I have done nothing under this resolution, being satisfied that the claims can be adjusted and collected quite as rapidly through the clerical force of the Adjutant-General's office, and, of course, at much less cost to the State.

## QUARANTINE, ETC.

During the past year, 227 vessels arriving at the port of New York have been quarantined on account of sickness which had occurred on board of them. Upon these vessels, at their port of departure, on the passage, and after their arrival at quarantine, there were 729 cases of contagious and infectious diseases and 109 deaths.

During the quarantine season, to wit, from the first day of April to the first day of November, 466 vessels, which arrived from ports infected with yellow fever,

were detained in the lower bay for observation. During the same period, 542 vessels from suspected ports were examined at lower quarantine, and placed under observation for a period of from two to five days.

These constitute the total number of vessels detained during the year beyond the time actually necessary for examination. Out of this number seventy-five discharged their cargoes under quarantine, being but little over one per cent of the whole number of arrivals from foreign ports during the year.

Seventy of the vessels thus detained were found to have had cases of yellow fever on board, and from these, eighteen patients were sent to West Bank Hospital. Besides these, 205 cases and fifty-one deaths from this disease had occurred on board of these vessels, either at their port of departure or during the passage.

For the five years, ending December 31st, 1870, the total number of vessels which arrived with small-pox on board, was one hundred and forty-two; while, during the past year, there have been one hundred and forty-seven vessels, having on board an aggregate of 80,428 persons who had been exposed to this disease during the passage. The number of cases of small-pox reported to have occurred on these vessels, was three hundred and forty-two, of which two hundred and ninety-three were taken to hospital from quarantine. Of these, owing to the crowded state of the municipal institutions on Blackwell's Island, it was found necessary to send a number of patients suffering from small-pox to West Bank Hospital.

Seven vessels only have had cases of ship-fever on board during the past year. On these the number of persons exposed to the disease was 3,778, of whom eight were sent to the fever hospital on Ward's Island.

Three vessels from infected districts have had cases of cholera on the passage to this port; and from these, fifty-two patients suffering from the disease, were treated at the West Bank hospital. The total number of cases of cholera occurring among the passengers and crews of these vessels, was 156; and the number of persons exposed to the disease, 1,432. Of these, forty-three died at sea and twelve in quarantine.

At the West Bank hospital the total number of patients suffering from cholera, small-pox and yellow fever, received during the past year, was 132, of whom 109 recovered and twenty-three died.

The absence of buildings upon the upper structure at West Bank, for the reception of persons who have been exposed to contagious and infectious diseases during the voyage to this port, was temporarily provided for by the transfer of the steamships Delaware and Albany, from the general government to the quarantine department. These vessels were anchored at quarantine in the month of September, and in the case of the steamship Franklin, which arrived on November 11th, with cholera on board, were of the greatest utility in affording facilities for the immediate transfer of the well passengers from the infected vessel. The favorable results which followed this transfer, are said by the health officer, to prove the importance of completing at once, the structures contemplated at West Bank.

The foregoing statistics demonstrate the necessity for a thorough administration of quarantine laws. The immunity which the city and State of New York has enjoyed during the past year from the introduction of contagious and infectious diseases from abroad may justly be ascribed to the precautions adopted. All abuses, if any be found, should be remedied, but the inconvenience to a few, by the detention imposed upon only one vessel out of a hundred, is not to be weighed against the protection afforded to the people in the cities of New York and Brooklyn, and of the State, against infectious diseases.

There have been for many years, and under all administrations, complaints in the press against the Health Officer, and also against the Harbor-Masters of the Port of New York. No proof has been adduced before me of maladministration on the part of the present officers. In one instance, prior to December 15, 1871, charges were preferred against a harbor-master, which were withdrawn. On the 15th of December, 1871, charges were preferred in another case, which are now under examination. In the case of the Health Officer, one complaint has been laid before me. Although the law gave me no power in the matter, the Health Officer promptly responded to my request for explanations ; the complaint was found to be connected, not with his office proper, nor with his fees, but with certain rates established for contributions to the support of the hospitals at quarantine ; and the injustice complained of was promptly cured. Under the law, as it was established in 1863, and as it now stands, the Governor has no power to remove

the Health Officer (and appoint another), even after a formal investigation, during the recess of the Senate; the period of the year when, if ever, abuses are likely to occur. I recommend that the Governor be empowered to appoint the Health Officer and Harbor-Masters, including the Captain of the Port, without the consent of the Senate; and to remove them, or any of them at pleasure. A prompt remedy would then be provided against abuses without the delay incident to a formal investigation.

In the single instance of the presentation to me of charges against the health officer, I took the occasion, in referring the matter to the Commissioners of Quarantine, to request them to inquire into alleged abuses in quarantine administration, giving merchants and others opportunity of being heard. I have received their report, dated December 11th, 1871, which, with a communication from the health officer relating thereto, will be duly transmitted to the Legislature for its information.

It is proper to say, that if citizens who know of and can prove official misconduct on the part of public officers, fail to present the charges and proofs to the Governor, the responsibility for continued abuses rests upon them. The Governor, in such matters, acts in a quasi-judicial capacity, and he cannot, any more than can a court, entertain charges made simply through the public press.

Nor should it be forgotten, that if extra compensation is paid to harbor-masters, it may be too often due to the eagerness of owners and consignees of vessels to get the advantage, one over another, in the occupancy of wharves.

The Governor is always ready to do his duty, and to remove a guilty party when he has the power. Merchants and others fail to do theirs, when any of them pay a bribe to a public officer, or neglect to expose and bring to justice whoever demands or accepts one.

I recommend a thorough examination of the official acts of the health officer and harbor-masters, and such amendments to existing laws, as may be necessary to put an end to such evils as may be shown to exist.

## IMMIGRATION.

The number of arrivals of immigrants in the port of New York this year is two hundred and twenty-nine thousand, an increase, as compared with last year, of seventeen thousand.

## REVISION OF STATUTES.

A report from the commissioners for revising the statutes may be expected at an early day in the session, showing what progress has thus far been made in their work.

## CANALS.

The surplus revenues of the canals, for the past year, have been nearly double those of the previous year, although, for four months of the year 1870, the former higher rates of toll prevailed; the contribution to the sinking fund, for the fiscal year ending 30th September last, being $981,588.68 against $569,974.61 contributed the year before. The expenditures have been very materially reduced. The official reports of the Comptroller and

Auditor will show the details of expenditure and revenue. It is the unanimous testimony of those engaged in business upon them that the canals are in better order than at any previous period. My opinions as to the true policy of the State, with reference to its canals, have been so fully expressed in three successive annual messages, that it is not necessary here to repeat them. The policy of low tolls, which, when first recommended, met with strong opposition, is now, by general consent, admitted to be wise. The season of navigation of 1871 was fifteen days shorter than that of 1870, yet there was an increase of tolls to the extent of $487,722.78.

I have received a letter from the President of the United States calling my attention to the twenty-seventh article of the recent treaty between Great Britain and the United States, which article is in these words, to wit:

"ARTICLE XXVII.—The government of her Britannic majesty "engages to urge upon the government of the Dominion of "Canada to secure to the citizens of the United States the use of "the Welland, St. Lawrence, and other canals in the Dominion, "on terms of equality with the inhabitants of the Dominion; and "the government of the United States engages that the subjects "of her Britannic majesty shall enjoy the use of the St. Clair "Flats canal on terms of equality with the inhabitants of the "United States, and further engages to urge upon the State "governments to secure to the subjects of her Britannic majesty "the use of the several State canals connected with the naviga- "tion of the lakes or rivers traversed by or contiguous to the "boundary line between the possessions of the high contracting "parties, on terms of equality with the inhabitants of the United "States."

The President requests such legislation on the part of this State as may be necessary to carry out, on our canals, this provision of the treaty. My impression is that nothing

exists in our State laws, now, to forbid the subjects of another country using our canals on terms of full equality with the citizens of the United States. I recommend an inquiry on your part on this point, and the prompt passage of any laws which may be necessary for the fulfillment of the undertaking made by the federal government.

## GENERAL RECOMMENDATIONS.

The disastrous fire at Chicago destroyed the valuable public law library of that city. It was always open to the free use of members of the bar from other States, and contained complete sets of the Reports of this State and of its Statutes, as well as those of other States and of Great Britain. Upon being informed of this loss by a committee of the bar of Chicago, engaged in the work of restoring the library, and upon their application for such assistance as this State could give, I took the responsibility, in view of the intimate business relations existing between the States of Illinois and New York, of causing to be sent to them the Statutes, the Reports and the Digests of this State, complete, as a donation from New York, knowing that the need was pressing for the work of restoration being promptly effected. In doing this, I was careful not to incur any liability in behalf of the State. I, nevertheless, respectfully ask that you make an appropriation to cover the cost of this gift. Some of the books having been furnished by the State Library, from extra copies in their possession, the total amount expended will not exceed sixteen hundred dollars.

Full rights of inheritance are accorded to the children of American male citizens, without reference to the nationality of the mother, although the children be born abroad; while the children of an American woman married to an alien, are, if they be born abroad, denied like rights. I recommend that the disability of the latter class of persons to inherit be removed by Statute.

I recommend, for your careful consideration, especially in view of the several treaties made between the United States and foreign governments, in respect to naturalization and expatriation, whether it would not be wise to remove all disabilities of aliens relating to the acquisition, possession and transmission of real estate. In several of the States of the Union these disabilities no longer exist, and in England they were removed by statute passed May 12, 1870, the day before the date when the treaty between England and the United States, relating to naturalization, was signed. If you should pass a law removing all these disabilities, the suggestion last made, with reference to children born abroad of American women, will have become unimportant.

I recommend to your consideration the subject of alleged abuses under the referee system in our courts, with a view to providing a remedy, by law, for such abuses as may be found to exist.

The Statutes providing for the election of Senators, in case of vacancies occurring otherwise than by expiration of term, are defective. The defect was brought to public notice by the death of Senator Blood, just before the last session of the Senate. I called the attention of the Legislature in my last Annual Message to the

necessity of amending the laws in this respect, but they failed to supply the defect. I recommend prompt action by you on this subject.

I recommend, as I did last year, the putting an end, by law, to the hardships and injustice frequently inflicted upon persons who are detained as witnesses to the commission of crime. The suffering resulting from this, especially in cities, is very great and extends to many unfortunate persons, who are too poor to give security for their appearance to testify. The law should provide that no person shall be detained in prison as a witness in criminal cases beyond a specified time, and that, if the trial be postponed beyond that time on the motion of the prisoner, it shall be only on condition of his consenting that the testimony of the witness may be taken *de bene esse*, as in civil cases. It may be urged that the people may not be ready to bring on a trial, and may thus, in some cases, lose the benefit of the witnesses altogether. It is better so than to have innocent persons suffer imprisonment in order that even the guilty may be convicted.

I recommend, for the third time, that power be conferred upon the Oyer and Terminer, or upon the Supreme Court at General Term, to grant new trials upon the merits or upon newly discovered evidence, in cases of conviction before the Oyer and Terminer. The courts of sessions, which are inferior tribunals, have this power in cases of conviction before them. A person wrongfully convicted in the Oyer and Terminer, no matter how clear his innocence may be shown by newly discovered evidence, has no remedy save a pardon from the Executive.

I recommend that the laws relating to the insane be revised. As they are now, any two justices of the peace, upon the certificate of two physicians, may deprive a man of his liberty on the ground of lunacy, and order him to be confined in a lunatic asylum. A bill was passed, at the last session of the Legislature, upon this subject, but some of its provisions seemed to me to be objectionable, and it was generally objectionable, in that its operation was limited to the city of New York. For these reasons I withheld my approval from it. There can be no doubt that there is room for great abuses under the law, as it stands. I recommend that all physicians who may grant certificates of lunacy, and all magistrates, who issue an order of commitment to an asylum, be required, under heavy penalties, to report their action at once to the county judge of the county within which the order was made, and that all superintendents of public and private lunatic asylums, be required, under like penalties, to report forthwith the arrival of every patient at their respective establishments, to the county judge of the county whence the patient was sent; that the county judge be required to investigate the case, summarily, and confirm or annul the proceedings; and that he be empowered, at any time, on his own motion or on the application of any one interested in an alleged lunatic, to re-open the hearing of a case, and to conduct such rehearing, with or without the aid of a jury, as to him may seem best, and thereupon, in his discretion, to discharge the alleged lunatic. Whether any amendments to existing laws relating to the State Asylums for the Insane be found necessary by you or not, I recommend that private

lunatic asylums be brought under some system of licensing by the public authorities. The Legislature should provide for their supervision and frequent visitation. Inasmuch as the State permits the detention of insane persons in such private institutions, it is right that the same watchful care should be exercised over persons confined in them as over those in our public hospitals.

For the fourth time, I recommend an amendment of the laws relating to murder. Instances of homicide occur where intent to take life is proved, but where the facts are such that the jury are unwilling to find a verdict of guilty of murder in the first degree, because the peculiar facts do not warrant the extreme penalty of death. They cannot, under our present statutes, define the case as one of murder in the second degree. They are driven, therefore, to either acquit or render a verdict of guilty of manslaughter in the third or fourth degree, although conscious that the light penalty awarded by the law to these two degrees of crime is very inadequate. I recommend that either the maximum punishment for manslaughter in the third degree be made much greater, or that when the degree of premeditation does not, or other facts do not, in the judgment of the jury, justify punishment by death, they be authorized to render a verdict of murder in the second degree, to be punished by imprisonment for life, or for a term of years, in the discretion of the court. It is no valid objection to the above amendment that, under it, juries would have too great discretion in the matter of enforcing the death penalty. They exercise that discretion now, in many instances, and do so with the law as it stands, at the cost

of rendering a verdict not satisfactory to themselves, and of allowing a very serious crime to go unpunished, except by the light penalty attached by the law to one of lower grade.

I respectfully suggest that all bills, making large appropriations of money be passed by you at a period of the session early enough to enable me to return them to you with objections, if I have any to make; so that I shall not be obliged to consent to items not, in my judgment, proper, as the only means of avoiding the defeat of other just and necessary appropriations. The Supply Bill, as it is commonly called, has always been sent in for approval after the Legislature had adjourned, leaving me no alternative but to approve of it as a whole, or to let all the appropriations made therein go over, many of them being required at once for the support of the various departments of the government. The practice has grown up of inserting in this bill items of appropriations of money which have no proper connection with the general purposes of the bill as indicated in its title; many of which items, I am satisfied, would not, if proposed in separate bills, receive the sanction of the Legislature. This practicc has become a great abuse.

I recommend the immediate repeal of the general town bonding act. Without discussing the policy of this law, I suggest that aid has already been given to railroads, upon the credit of municipalities, to quite as great an extent as is wise, and, in some instances, to the oppression of tax-paying communities. Its early repeal is, in my judgment, important to the general welfare of our people.

## Eight Hour Law.

In 1870, what is commonly called the eight hour law was enacted by the Legislature and approved by me. It provided, among other things, that eight hours should constitute a legal day's work upon all the public works of the State, and that any public officer, who should violate or evade its provisions might be removed by the Governor, or by the heads of departments to which such officer was attached. By this act the Legislature intended to hold out the promise, on behalf of the State, to the laborers who might be employed on any public work, that they should receive a full day's wages, at current rates, for eight hours' work. The spirit of the promise has not been kept; yet no case has arisen where a removal of a public officer could legally be made. The laborer understood the law to provide for a reduction of the hours, but not of the wages of labor. The State ought not, under the forms of law, to deceive any portion of its people. Its practice should be in accord with its professions. It demands a general obedience to its statutes, and should itself set the example of strict conformity with its own laws. While the law stands upon the statute book, the professions embodied in it should be made good by such amendments to it as will render the fulfillment of its purpose certain.

## Tax Revision.

Under the provisions of a joint resolution of the Legislature passed April 25, 1870, I appointed David A. Wells, George W. Cuyler, and Edwin Dodge a commission "to revise the laws for the assessment and collection

of taxes;" which commission, in the discharge of its duties, presented a report in February, 1871. The report was so important and exhaustive in its character, and so novel in its suggestions, that although I had supplied copies thereof to the Legislatures of the other States, and to municipal bodies in this country and in the British Provinces, yet, notwithstanding the very large edition issued by the State, the Report has been twice reprinted, at private cost, in order to meet the demand for it among the general public, to wit, once in this country and once in Europe; the latter reprint being issued, with a preface by the Secretary of the British Board of Trade, by an association of gentlemen for distribution among the people of Great Britain.

In respect to personal property, the report of the commissioners shows that the whole amount thereof assessed and taxed is not as much as thirty per cent of the real estate assessment, or not in excess of the railroad and banking capital alone of the State; while the probable proportion of such property assessed to its true value is not more than *fifteen* per cent. The commissioners, furthermore, present a large amount of evidence tending to show that not only is such a result unavoidable under existing laws, but that the tendency of things (through recent court decisions, the offsetting of indebtedness against assets, and the exemption of United States and other securities from taxation), is to become worse; and that at no distant day, the present system of taxation in this State will be brought down, practically, to an exclusive tax on real estate and bank capital.

Another matter of great importance, to which the commissioners call attention, is the circumstance that during the last few years the legislation of contiguous States, in respect to local taxation, has been of a much more liberal character than that of New York; and that, in consequence, the interests of New York have suffered, and are likely to continue to suffer unless remedial or reciprocal legislation is provided. Thus, for example, the States of Maine and Vermont, and also the British Provinces which border upon New York, have either wholly, or for an extended period, exempted manufacturing industry from all taxation. The new territory of the District of Columbia exempts all evidences of debt, that is, bonds, mortgages, negotiable instruments, etc.; the State of Maryland, all bonds and mortgages for the city and county of Baltimore; New Jersey, bonds and mortgages for a large part of her territory contiguous to New York; while Pennsylvania, proceeding much farther in this same direction, has exempted the machinery and capital of manufactures from local taxation, and, practically also in a great degree, her banking capital, evidences of debt, and all vessels engaged in foreign and domestic commerce.

New York is soon likely to be forced, by considerations of self-interest and self-defense, into giving this whole subject of State taxation careful attention.

The system recommended by the Commissioners, and of which an outline code has been already submitted to the Legislature, is substantially as follows:

*First.* To tax real estate in like manner as under existing laws; provisions for enforcing valuation according to a common and well defined but moderate standard being at the same time prescribed. It is understood that the Commissioners favor the creation of an office, whose incumbent shall be especially charged with the enforcement of the laws relative to taxation, and be invested with all necessary powers for accomplishing such object, and insuring, so far as possible, equity and uniformity.

*Second.* To tax moneyed corporations of the State in conformity with existing laws.

*Third.* All experience, and especially the experience of New York, shows that the attempt to tax, directly, property other than such as is embraced under the two before enumerated classes, affords little revenue; it fails in execution, and is certain to yield less of revenue in the future than in the past; and above all it discriminates against the industry of New York in comparison with other States. The commissioners propose as a substitute and equivalent for all such defective taxation, *to tax the occupier, be he owner or tenant, of any and every building used as a dwelling, or for any other purpose, on a valuation of three times the rental or rental value of the premises occupied; but not including under such assessment, any land except such as the building stands on, or is essential for access thereto.*

All property not embraced under one of these provisions, as above stated, is to be exempt from taxation.

The principles on which the commissioners have

founded this part of their system, are stated by them as follows:

"That the market value of real estate is always proportional "to and dependent on the amount of personal property, or rather "productive capital, placed upon it, or in its immediate vicinity.

"Only, therefore, as personal property or productive capital "is brought in connection with real estate, does its value become "appreciable and augment.

"Applying, practically, to New York the proposed system "for taxing personal property, through buildings or rentals, as "its representative, the commissioners say, that examination will "show that the aggregate of taxation, according to the new sys-"tem, on the occupiers of buildings, *will be the lowest in the most "sparsely settled agricultural districts of the State.* Property here "is mainly in land, and the value of buildings is generally much "less than the value of this land with which they are connected. "As we leave the sparsely settled agricultural districts, and rise "through the more densely populated portions of the State, from "the towns to the villages, from the latter to the cities, and from "the cities to the great metropolis of the continent, we shall find "that the value of land, of buildings, and the aggregate of taxa-"ble valuation will increase as the amount and accumulation of "personal property increases, until land and buildings attain "their greatest market and tax valuation in Wall street, Broad-"way and Fifth avenue, where the accumulation of personal pro-"perty is the greatest. It is also to be observed that, starting at "the bottom of the scale, with the value of land greatly in excess "of the value of the buildings connected with the land, that this "difference, as we progress upward through the more densely "populated districts, gradually diminishes, until, as is the case "very frequently in the cities, *the value of the building greatly "exceeds the value of the land in which it is situated.*"

"And yet, while under the proposed system, the agricultural "districts would, as now, pay the smallest proportion of the "aggregate taxes, and the villages and cities as now also the "largest, there would be no injustice, but on the contrary, one "uniform, equitable rule of valuation and assessment."

"The sum of *three times* the rent or rental value is taken as the

"substitute for personal property, other than what is invested in "the stocks of moneyed corporations, on the assumption that no "person can occupy any building, who is not possessed of such "property, at least to the extent of the valuation adopted; an "assumption fully sustained by evidence and investigation."

The Commissioners allege, in regard to their proposed new system, that, under the *first* and *second* provisions, nearly all the property now subject to taxation will be embraced; and that, under the *third* provision, property additional, or rather ability to contribute to the expenses of the State, commensurate to the protection which the State accords to the person assessed, will be embraced to the extent of from *five hundred* to *seven hundred* millions; thus reducing the rate of taxation all over the State, and especially relieving the labor and capital invested in agricultural and manufacturing industries, and in shipping, which it ought to be the object of the State especially to favor.

When the report of the commissioners was presented in February, 1871, it seemed to me and to the Legislature advisable, that on account of the novelty of the views presented, the consideration of the whole subject should be postponed for another year in order to allow of the fullest discussion and consideration on the part of the public, and pending all action the Legislature instructed and authorized the commissioners to prepare a code in accordance with their recommendations. This code, with a further report, will be ready at an early period of the present session, and I should fail in my duty if I did not ask for it in advance the most careful consideration from both the Legislature and the people.

## Street Processions.

The subject of the regulation and control of processions in public streets has been made one of special interest by unhappy occurrences in the city of New York in July last. The occupation of the public streets by bodies of men for the purpose of civic as well as military processions has been permitted under a custom so long established that it has come to be looked upon as a common right. The local police must have, of course, great discretionary power in the matter of regulating such processions. It has been the practice of New York city to afford them protection by the presence and escort of part of the police force, without reference to the occurrences which the demonstrations were designed to celebrate, or to the race, color or sentiments, political or religious, of those engaged in them. Our respective political parties have been in the habit, on the eve of an election, of getting up such demonstrations, not only in New York but throughout the country, with banners and mottoes indicative of their own views and not unfrequently reflecting with severity upon those of their opponents; all which are looked upon, usually, by the by-standers of either party, in good humor and perfect toleration. Noted events in our own history have been commemorated by great public demonstrations in the streets, and, in like manner, men of foreign birth or descent, have celebrated occurrences remarkable in in the civil, military or religious record of the country from which they sprang, or of the faith and church in which they and their fathers were educated. This right of procession has been considered to be established by

custom as firmly as the right of free discussion and as is the right of the people "peaceably to assemble" by the Constitution of the United States, and may be regarded, in some sense, as a practical exercise of those rights.

A procession had been proposed for the 12th of July last, to which objection was made by persons holding views adverse to those to be celebrated, and they resolved to prevent it by violence, if necessary. Opponents of the first proposed procession organized another for the same day, with substantially the same line of march. The police of the city, deeming it almost certain that a serious breach of the peace would ensue, and in order to prevent it, forbade both of the proposed demonstrations. The order forbiding the processions was not submitted to me by the Police Commissioners, for consideration or approval, nor did they ask my advice upon the subject. The order was made by them in the exercise of their exclusive discretion and lawful power, and it was not my lawful right, on my own motion, to interfere with that discretion. On the afternoon of the day on which the order was issued and published, which was the day before that proposed for the processions, I received, while at the capital, information that the local authorities thought my presence in the city was desirable. I repaired thither, immediately, and advised that the police order be revoked. I was satisfied that it would be generally regarded as having been made by those in authority in submission to the demand and dictation of those who were not, and as subversive of the equal rights of men of all races, creeds and

sentiments to protection, and would tend to permanent strife and bitterness, and to the disturbance of the peace of the State, perhaps, for many years to come. In deference to my advice, the order was revoked by the same authority which had issued it. My duty, then, was plain, to wit, to sustain, by the whole power of the State, the local authorities in repressing threatened disturbances, and by so doing, to assert the equal rights of all citizens. The loss of life that ensued from the use of military force is a matter for great regret. It is clear, however, that whatever may be the cost, the rights and privileges of all classes of men must be alike protected, or none are safe ; and that the prohibition of a procession representing one class of sentiment to-day, upon the demand of its opponents, or otherwise, would be taken as a precedent for interference, on another occasion, with one representing the opposite views, to the constantly recurring disturbance of the public peace, and to the abridgment of the privileges of all. I submit to your judgment, whether any new provisions of law are required regulating this matter of street processions and public demonstrations, which, good temper being preserved, have, heretofore, been harmless recreations for those engaged in them and for great numbers of lookers-on. Whatever laws you may pass on the subject should secure equal privileges to all men of whatever religion, of whatever politics, of whatever race, color, or creed.

## UNITED STATES SENATORS.

I recommend that you pass a joint resolution requesting the Senators and Representatives from this State in

the Congress of the United States to use their efforts to have the following amendment to the Constitution of the United States proposed by the Congress, to wit:

"After the adoption of this amendment, Senators from each State shall be chosen by the people of the several States, and not by the Legislatures thereof; whenever the term of a Senator is about to expire, his successor shall be chosen by the people of his State at the general election for members of the House of Representatives in such State, occurring next previous to the expiration of such term; and whenever a vacancy shall happen, otherwise than by expiration of term, such vacancy shall be filled at the first general election for members of the House of Representatives which shall take place in the State in whose representation in the Senate the vacancy shall have happened, not less than three months after the vacancy shall have occurred, and in the meantime the Governor of the State may make a temporary appointment of Senator until the expiration of one month after the election at which the vacancy shall be permanently filled."

The Legislature of a State has its own proper duties to perform, to wit: that of providing good laws for the internal government of the State, with which the choice of a Senator of the United States has no natural connection; and the members of a State Legislature should be chosen solely with reference to these, their proper duties, and not with reference to their probable votes for this or that candidate for Senator.

It is obvious, too, that the distribution of Assembly and Senatorial districts in the State may, at times, be

such that a majority of the members of the Legislature, although freshly chosen, do not represent the popular majority in the State. In such instances, a Senator may be chosen who is not in accord with the majority of the people, and who, in such case, does not represent the State at large, as he properly should do. I can see no good reason for devolving the election of a Senator upon the Legislature; while the arguments against doing so are many, and, it seems to me, unanswerable. The people are quite as capable of electing a Senator by their own direct vote as they are of electing a Governor; and there is no need of delegating the important power of choosing a Senator of the United States to any electoral body.

## NEW YORK CITY.

The recent exposure of great wrongs in the administration of the local government of the city of New York, has aroused public attention, to an extraordinary but wholesome extent, to the necessity of a reform in the conduct of public affairs. In that city especially, the people have spoken in a way which must not be misinterpreted. They demand an improvement in the condition of their local government through legislation, which shall have in view neither party nor personal ends, but the permanent general good. The limits of this message forbid a discussion of the causes which, for a long time, have been contributing to the results recently laid bare. For many years the city had not had a charter under which it was possible for its people, even if they had been willing to attend to their own interests, to have

secured an efficient and faithful local government. At one time governed under local laws which failed to fix responsibility anywhere, at other times under varied, disconnected and irresponsible commissions, created to enable minorities in the city to exert political control; confusion, mismanagement and extravagance were apparent to every one, but the responsible authors thereof were concealed under the complicated machinery which was unwisely substituted for a simple government of the people. In my first annual message to the Legislature, while calling attention to evils then existing, I said: "Every dollar paid for taxation should draw with it direct responsibility, and every officer should feel himself at all times on trial for his public acts. No party could then long maintain local ascendency which did not nominate its best men for office, and did not by economy and good government, make their control of affairs consistent with the interests of the people;" and I added: "No good government can be secured to any great city unless it shall have one responsible head, in whom shall be vested all executive power, and to whom, as the elected representative of the people, all departments charged with executive duties shall be directly and summarily responsible and accountable. If, with this as the fundamental idea, a plan shall be devised which will give to the political minority within the city a just representation in its councils, we shall, doubtless, secure better results in municipal government than have ever before been attained."

The same views, excepting those upon minority representation, had been, on several occasions, in nearly the

same language, urged by me while Mayor of New York, and were reiterated in my second Annual Message, as Governor, in 1870.

During the session of 1870 the present New York charter was enacted. It received very extensive favor from the press, and passed by a nearly unanimous vote of both houses of the Legislature; another form of charter, submitted to them previously at the same session, having been, by a decided vote, rejected. As a whole, the charter adopted was a great improvement on the then existing condition of things. By its provisions and those of a law passed almost simultaneously with it, the former Board of Supervisors, the members of which had been designated in such a manner as to leave the people practically no choice in the selection of them, and against whose management of public affairs the complaints had been, for a long time, many and loud, was abolished, and aldermen, elected by the people at large under the new charter, were substituted. It broke up the irresponsible district commissions in which the city government proper had been substantially merged, and provided for new departments embracing every branch of public duty, to be organized by the Mayor of the city. It restored to the people of the city their constitutional right of local self-government, of which they had been for many years deprived. It defined the responsibility of those in authority; so that, in case of wrong-doing, the people could tell at once upon whom to cast the blame.

It was a first step in reform, casting aside, as it did, a very vicious system of government, the evils of which had long been manifest to many, and are now manifest

to all. It was not an unusual mistake, that in providing a remedy for then existing evils, others, likely to come out of the remedy itself, were overlooked. This was the fatal error in the legislation which, many years ago, transferred the government of the city from the people to irresponsible commissions. It will need great caution to avoid like mistakes in framing a new charter.

The chief defect of the present charter is in recognizing the mistaken doctrine of the Congressional tenure of office law, whereby a subordinate in administrative duties is made independent of the appointing power, instead of being subject to summary removal by the chief executive officer for cause satisfactory to him. The length of term of office assigned to some of the departments would not have been found, in practice, objectionable, if the power had been given to the Mayor to remove, summarily, for miscondnct. As a substitute for this wholesome power of removal, it was provided, in harmony with the erroneous doctrine so prevalent of late years—that good administration is to be secured by scattering instead of concentrating responsibility — that the Mayor should have no power over the subordinate officers, in case of misconduct, except to accuse them before the court of Common Pleas, as the means (and the only means), of removing them from office, while the Mayor himself was not made subject to removal by the Governor.

A somewhat lengthened tenure of office in some departments of the city government, such as are created to carry out, or to administer some special work, may be, for many reasons, desirable ; and is not objectionable, if the power be given to the Mayor to remove, for cause, to

be publicly assigned by him. The parks of the city and the Croton Aqueduct have been thus administered from the beginning. All officers connected with the general administration of the city affairs, the Comptroller, the Counsel to the Corporation, the Chamberlain and others, should be appointed by the Mayor, with or without the consent of the Aldermen, be removable by him, and go out of office with him at the end of his term, as a matter of course.

My judgment is not in favor of requiring the consent of the Board of Aldermen to appointments. To do so leads to a division of responsibility and opens the way for bargains whereby one appointment may be dependent for its confirmation upon the consent of the Mayor to give other places to favorites of the Aldermen.

Though the charter was not all it should have been, it was the best that could then be obtained, and it promised relief from great and long continued wrong, under which the people of the city had been suffering, and from a system of government, the abuses under which are now coming to light. The misconduct, recently exposed, was not a consequence from any of its provisions.

The responsibility for the wrong-doing, which has very justly aroused public indignation, does not rest so much upon the charter as upon individuals who held office in the city before the charter was passed, and took office also under it. The difficulty with the charter, in this connection, is that it provided no means for summary removal from office. The auditing of the alleged claims against the former county government to the extent of six millions of dollars and upward, to which the public

attention has been chiefly directed, was made not under the charter, but under a clause in the bill commonly called the New York county tax-levy ; a clause, perhaps not objectionable in itself, if the powers which it conferred had been faithfully and carefully executed. The annual tax-levy of New York should no more be made up by the Legislature than that of any other county. It has been the practice for many years, to have the city tax-levies passed upon by the Legislature, and this has been the occasion of great abuse ; the estimates of the city authorities being almost always largely increased by the Legislature. One of the good results looked for from the enactment of the present charter and other laws passed at the same time, was the abolition of the practice of bringing the city tax-levies into the Legislature.

I allude to these facts not because I would recommend retaining the present charter, but because I think they ought to be known and understood. Many of the provisions of this charter cannot, in my judgment, be improved upon, but it is under popular disfavor, and I recommend its repeal and the enactment of a new one in which all that is good of the old one may be retained, all that is evil rejected, and all that is defective remedied.

The people of the city have, by their recent concerted and intelligent action, proved their capacity to manage their own affairs, and to redress their own wrongs. They demand of the Legislature now, not a return to systems which have upon trial proved to be failures, but the establishment of the wisest and best form of a strictly local government ; the prominent features of which shall be executive power and responsibility in its Mayor,

clear and well defined accountability of all officials and frequent opportunities for the people to rid themselves of a local administration not faithful to their interests. It would not be wise for the State to take any part of the responsibility for the management of the local affairs of New York city. It is the duty of the State to give to the city a good organic law under which its people can manage their own affairs and protect their own interests, and then let them understand distinctly that success depends on their own willingness to attend to their public duties. If they will not give attention to their own affairs, no form of charter nor provision of law can secure to them good government. Municipal wrongs are not to be cured by the mere passage of a new law, however perfect in its structure; and it is certain that any charter framed to promote personal or partisan interests, will have, as it deserves to have, a brief existence.

New York city needs a permanent charter, as well as a good one; one which cannot be nullified or substantially repealed by the surreptitious insertion of a clause in a tax levy, or some other bill, or even by a specific law, with any and every change in the persons composing the Legislature. The charter of a city of a million inhabitants should be as well considered, as permanent and almost as sacred as the Constitution of a State. It should not only provide for the organization and conduct of the various departments of the local government, and clothe it with power to raise by annual tax the moneys necessary for its maintenance, but it should limit and restrict its power to create debts, except, by the consent of its people, expressed in a

formal and authoritative manner. In this respect it would be well if we could imitate in part at least our own State Constitution, which, after providing Sinking Funds for the payment of existing debts, forbids the creation of any new indebtedness, except with the express consent of the people, for some single work or object to be specified in the law, which must provide also for a direct tax to pay the interest every year, and the principal in a specified period. This permanent character cannot, however, be secured to a charter, without an amendment to our State Constitution.

In framing a new charter, now, the following points should be kept prominently in view:

1st. Fixing the responsibility for good administration of all city affairs upon the Mayor; and to this end giving him full power of appointment and removal of all heads of departments, except the police.

2d. Giving the people an early opportunity for a new election of local officers.

3d. Making the Mayor subject to removal by the Governor, for malfeasance in office or neglect of duty.

4th. Providing for a police department, with three commissioners, to be appointed as follows: one by the Mayor, one by the chief judge of the Court of Common Pleas, and one by the chief judge of the Superior Court, to be removable, any of them, as in the case of sheriffs, by the Governor for cause. A board thus constituted and so subject to removal would be, as it ought to be, a strictly local board, subject to the same State supervision as sheriffs, who are conservators of the peace in their respective counties, and as free as any board could possibly

be from the danger of improper personal or partisan influence.

5th. Requiring full monthly publication of all receipts and expenditures, and of all bonds issued, and frequent publication also of all contracts made by any department, with a statement of the general operations of each department and of their pay rolls.

6th. Concentrating the responsibility of those composing what may be termed the legislative branch of the city government, by constituting this of only one board, a Board of Aldermen not too numerous; this Board, with the Mayor, acting as Supervisors, levying all taxes. A second Board is not necessary. The Common Council is not called upon to pass laws, but to manage the affairs of a corporation. To divide it into two Boards has the effect simply of scattering responsibility, weakening the sense of responsibility and dividing the watchfulness of the public. Making the Board to consist of too many members will tend to the same evil results. If any plan can be devised for giving in the legislative branch of the city government, by election, a just and proportionate representation to the minority, it would be a wholesome improvement. In carrying out such a purpose, great care must be exercised lest the choice of their representatives be, practically, taken out of the hands of the people, as in the instance of the late Board of Supervisors, which was the worst device of modern times in connection with local government. The candidates named by either party were sure of being returned. The proper purpose of minority representation is to secure to the minority the opportunity of being

heard in the public councils, without nullifying the rightful control of the majority or relieving it from its just responsibility.

7th. Providing that there shall be no debt created except for some single work or object by authority of law, and also under an ordinance to be submitted to or approved by the people of the city; every ordinance and law authorizing a debt to contain a provision for the extinguishment of the same within a fixed period; or else, giving to the Mayor an absolute veto upon all ordinances creating or increasing the city debt. Upon all other ordinances, his vote should not be overruled except by the vote of three-fourths of all the members elected to the board of Aldermen; and in the case of ordinances containing several items of appropriation of money, he should have power to veto some of them while approving of others.

8th. Giving compensation to all officers and appointees of the city government by fixed salaries and not by fees.

9th. Providing some well-defined, summary and effectual remedy in the courts for tax-payers against abuses of trust by municipal officers, with the right also given to them, under proper restrictions, to examine from time to time, the affairs of any of the departments.

10th. Providing that the acceptance of any office in, under or connected with the State government or the Federal government shall vacate any office held by the same person in or under the municipal government, and that no person shall hold more than one office, at the same time, in or under the municipal government.

These suggestions, although made with especial reference to New York city, will apply generally to all large cities. City charters must, of necessity, according to population and circumstances, differ more or less in detail. What is needed in a city of a million of people, would not be required in one of fifty or a hundred thousand; and a general law aiming at entire uniformity in such charters is, in my judgment, not desirable. The people of any city, with a charter embracing the general provisions to which I have referred, can, if they choose, keep up a simple, honest and efficient local government; and under such a charter, if they will frown down corruption among the seekers as well as the holders of office; if they will condemn the lavish expenditure of money before election to secure office as earnestly as the stealing of it afterward; if they will make those who ask their suffrages understand that the candidate who by money demoralizes the elector is as much a criminal as the representative who takes a bribe; if they will bear in mind that spasmodic reform movements work no permanent good, but that a persistent attention to public affairs, on their part, is necessary to ensure a faithful administration by their representatives; they can secure all that is possible under any law or system of laws.

Simplicity is one great requisite in the charter of a city. Without it, responsibility can never be clearly and unmistakably defined and fixed. All complicated schemes which aim to secure to the minority an equal or unequal portion of the executive and administrative offices of a municipality, and so to make it share with

the majority the responsibility of government will prove failures.

## PURITY OF ELECTIONS.

At its last session, the Legislature adopted concurrent resolutions proposing an amendment of the Constitution relative to bribery. They have been duly published, and will, I trust, be favorably acted upon by you, so that they may be submitted to the people for their approval at the next general election. The proposed amendment relates to the corrupt expenditure of money to influence electors in voting, and, if it shall be adopted, laws may be enacted which will, if rigidly enforced, tend to check an evil which has assumed proportions of great magnitude. If I may believe current rumors, men of otherwise good repute are in the practice of standing at the polls in many portions of the State—even in this city, the seat of government—with money carried openly in their hands, and of paying it, on the spot, to electors for their votes. No such open and shameless use of corrupt means has been charged in the city of New York, much as is said of election abuses there.

The fact that large sums of money are expended throughout the State at every election is well known. Much of it must be spent for corrupting the electors. In city and in country, men are nominated to office because they have been able to purchase a majority in nominating conventions in the first instance, and because it is known they can expend large sums, afterwards, to promote their own election and that of their associates on the same ticket. Men, not candidates, but who take an interest in public affairs, are called upon to contribute, and do contribute lib-

erally toward securing party success. Individuals and parties are aided by moneyed corporations, who hope in this way to secure favorable legislation for their own interests, or to buy the countenance and support of the government from which they receive their privileges. In this way the moneyed power of the country is brought in to control elections and secure to itself what it deems strength; but it does so at the risk of its own safety; for it thus debauches the moral sentiment of the community. The love of money, we are told, is the root of all evil. It is, assuredly, the root of all evil in free governments; and the lavish expenditure of money in elections is the chief cause of the corruption in our politics. A man who expends large sums of money to secure an office is apt to seek to make it up to himself when in office. I do not doubt that the multiplication of officers to be elected by the people has had much to do with introducing or increasing this corruption of our politics. The struggle between candidates for local offices is apt to be more intense than the competition for higher place before larger constituencies. It is easier, too, to calculate the influence of corrupt means, and it is easier, by them, to effect the election of candidates, when the constituency taking part in the election is limited in number. The amendment submitted to you will enable the Legislature to deprive of the right of suffrage every one who shall be convicted of receiving a bribe for his vote or of bribing an elector; and to pass laws providing that any candidate guilty of bribing the electors shall be deprived of the office to which, at any election where he was guilty of this offense, he may have been chosen.

The inconvenience occasioned to the electors, by registry laws, is not to be counted against them, if, by their means, we can ensure pure elections. I have little faith in them to prevent fraud at the polls. They have been tried and have failed to prevent it. More frequent charges of fraud, and of frauds of a grosser character, have been made since registry laws were put in operation than before. Many who have watched their working insist that they can be easily made, and have been made, a convenient cover for frauds, which, without them, could not have been committed. They have this effect, certainly, that the vigilance necessary to detect illegal voting has to be extended over several days, instead of the one day of election, requiring more time for this purpose than men will spare from their private business; and so the watchfulness over the poll list is, ordinarily, less general and probably less complete than under the system of challenging on the day of election.

Upon principle, a registry law, if any be passed, should apply to all parts of the State alike. Yet I am satisfied that intelligent public opinion in the rural districts, among men of all parties, does not favor one there. The inconvenience and expense to the electors in such districts, from such a law, are very great, with no adequate good result in compensation. The conviction, however, prevails extensively among intelligent men that, in large cities, registry laws can be made useful in securing the purity of the ballot; and this conviction is so strong that the continuance of the system in the larger cities may be advisable. All laws requiring a registry of the electors, previous to an election, should be made as little vexa-

tious and oppressive to honest voters as is possible, consistently with securing proper identification of the person claiming the right to vote and due examination of his right. It must be borne in mind that it is not the province of a registry law to define the qualifications of voters, or to confer or restrict the right of voting. That right is conferred by the Constitution, and cannot be taken away by act of the Legislature, except in the few cases specified in the Constitution. Any law which you may pass, therefore, ought not to be framed so as to work the actual disfranchisement on the day of election of any elector who, for good reasons, such as sickness or absence from home, or his not having arrived at full age until after the last day of registry, was unable to have his name registered.

The complaints with regard to the late election in New York and Brooklyn, made through the press, are chiefly of false counting of ballots and false returns by inspectors of election. The general suspicion of the existence of such an evil is almost as injurious as the practice itself; our people, if led to believe that it is carried on extensively, will neglect to vote, and will lose their habit of submitting quietly to the result of an election. The crime is, under our form of government, one of the worst, in its nature and in its effects, and should be punished accordingly. It is a practice which, persisted in, is more likely to overturn our government than any open war that can be levied against it. We have wisely, in our statutes, restricted the definition of the crime of treason to acts of open war against the State government, and to combinations of one or more persons to overturn it by

force. The crime of making false returns of votes cast at an election is, nevertheless, of the nature of treason; for it seeks to take away the lawful power and destroy the rights of the true sovereign in our government, the people.

You have the power to attach what penalty you think necessary to any species of offense against the laws; and those imposed should be sufficiently severe to deter men from committing crimes, yet not so extreme as to be likely to protect them from conviction.

Effectual laws against bribery of the electors and to take away an office obtained by bribery, thorough protection of the right of challenge on election day, severe penalties against miscounting of votes and against illegal voting, ought to suffice for the protection of the ballot, and will suffice if citizens, juries and public officers will do their duty.

## PURITY OF LEGISLATION.

The people cannot be too fully awakened to the dangers inseparable from the growth of moneyed power in this country, whether wielded by individuals or corporations. It makes itself felt everywhere in our politics, and aims to control, and too often does control, legislation in Federal and State capitals. We cannot directly strike at it in other States, or at Washington, but we can begin at the capital of our own State, and set an example to others. There is a popular belief that much important legislation, in past years, here, has been influenced by the direct use of money. This belief is so general and wide-spread, that it is due to the people that there should be a prompt

and thorough legislative inquiry to ascertain whether it is well founded. If it be so, guilty men should be brought to justice under existing laws, if that is possible. If not, then proper laws should be passed to meet cases which may hereafter arise. The people will be slow to obey laws which, they believe, are enacted by a corrupt Legislature. Their demand to-day is not for municipal reform only, but for reform in every department of government, State and Federal, in which abuses may be shown to exist. Authority, whether executive or legislative, to be cheerfully obeyed, must be respected and honored.

## CONSTITUTIONAL REFORM.

A few years ago the people of this State voted in favor of holding a Convention to frame a new Constitution; thus expressing their dissatisfaction with the existing Constitution. The Convention was held; but, on the result of its deliberations being submitted to a vote, the people rejected the proposed new instrument, with the exception of one article, to wit, that relating to the judiciary. It is not a fair inference from this action of the people that they desired a Convention for the single end of amending the judicial system of the State. That could have been done by the simple process of submitting, after due consideration by the Legislature, a single amendment, covering the one subject. The vote of the people calling a Convention indicated that they recognized many defects in our existing Constitution. The vote rejecting the substitute proposed by the Convention indicated that, in the popular judgment, the remedies suggested for these defects were not sufficient or satisfactory.

In my opinion the present Constitution of the State is very defective as a frame work of efficient Republican Government. In considering this subject, it must be borne in mind that the population of this State is now larger than that of the whole Union when the Constitution of the United States was put into operation, and that our State has, in fact, in the number of its people and the great interests protected by its laws, the proportions of a nation. It must also be remembered that the comfort, welfare, and happiness of the people are affected in a very much greater degree by the laws of the State, and the manner of their enforcement, than by the operations of the general government. The title to property and the rights of, and the restraints upon, the owners of property, are regulated by State laws. The enforcement of business contracts of every nature are, in the main, in the hands of the State courts. The detection and repression of crime are dependent, except in a few rare instances, upon the enactment of proper criminal laws by the State Legislature and their due enforcement. The order of the community is under the guardianship of State laws, and dependent upon State authorities for its preservation. The powers of our Municipal governments, whose action influences still more sensibly the peace and comfort of every man's home, are conferred and defined by the State government. It is obvious, therefore, that it is a matter of transcendent importance to every citizen of this great Commonwealth, that it should possess a wisely constructed frame-work of government, adapted to secure the most wholesome legislation, the most efficient enforcement of law, the most faithful adminis-

tration of its affairs, and an uninterrupted maintenance of order.

I do not recommend the calling of another Convention to revise the constitution, at this time. The attention of the people will be much engrossed this year by the Presidential election; but I trust that, immediately after that event, the efforts of our best citizens, of all parties, will be united to effect a thorough revision. Nor am I sure that a Convention is a necessary or the best means by which to attain the end.

A commission of thirty-two (32) eminent citizens, to be made up by selection of an equal number from each of the two great political parties, would, it seems to me, be as likely to work out a good result as a larger body.

Such a commission could have all the benefit of the debate incident to a larger body through intelligent discussions in the press and the voluntary suggestions of thoughtful citizens; and would be almost certain to agree upon amendments which would secure the popular approval.

If you should be of the opinion that it is wise to appoint a commission, there can be no objection to your creating it at this session. Its report would not be made until after the Presidential election, when the public mind would be in a condition to examine calmly, and to decide wisely. True, it is not the mode provided in the present Constitution for a revision of that instrument, but it cannot be doubted that a Constitution prepared by such a commission and submitted by them to the Legislature and by the Legislature submitted to the people in due form, would, if approved by a vote of

the people, be regularly established and become substituted for the present Constitution.

You have, moreover, the constitutional power to originate any amendments to the existing Constitution, and if the same shall be concurred in by the Legislature to be chosen in eighteen hundred and seventy-three (1873), they may be submitted to a direct vote of the people, and if approved by them, will become a part of the Constitution.

My convictions are so strong that the present organic law of this State is full of serious defects, that I feel justified in calling your attention to the subject and pointing out the particulars in which, in my judgment, it fails as a means of securing to us the best possible administration of our public affairs.

The Constitution of the United States was constructed by a convention made up of the wisest and ablest men to be found in the thirteen States which then composed the Union. Each of these States had been obliged, some years earlier, to frame a constitution for its own government. The delegates from the several States did not, therefore, come together as men inexperienced and new to the work they were called upon to perform. They brought with them, from their several constituencies, varying and indeed conflicting ideas of the powers which ought to be conferred upon the new government about to be established, and the manner in which those powers ought to be distributed among its several departments.

There is, of course, this difference between that instrument and the Constitution of a State: that the former originated a special government and conferred on it certain

powers and none other, while in the State government all the powers of government inhere, except such as, by the Constitution of the United States or by its own Constitution, it may be forbidden to exercise. This difference does not affect the question of how the powers of government may wisely be distributed among the different departments, Executive, Legislative and Judicial, nor that of how to provide the instrumentalities through which the government is to be administered. In most of these particulars the Constitution of the United States may wisely be followed.

Under the existing Constitution, the executive department of the State is not so organized as to insure the most efficient administration of affairs, and the most complete and direct responsibility. The duty of the chief executive officer, the Governor, is to see that the laws are faithfully executed. It is obvious that in the selection of the subordinate officers upon whom, within their separate departments, the duty is devolved of executing the laws of the State and administering its affairs, the chief Executive ought to have a controlling voice. The experience alike of public affairs and of private business prove the expediency of a single Executive. The laws and the rules under which public or private business is to be managed are to be carefully laid down and precautions taken against their violation; but, when, subject to these rules and within their limits, the chief direction of affairs is given to one person, the best safeguard for faithful administration is provided, by concentrating responsibility. The Governor ought to be held responsible for every branch of the actual administration of

the State's affairs. Under our present Constitution, all the important departments are separated from his control. In the management of the finances of the State, of the Canals, of the State Prisons, in the prosecution of crime, the chief Executive of the State has not, as he should have, the directing power. In order that responsibility may be full, direct and unmistakably fixed, and that the people may always know who is to blame for any maladministration, all the heads of administrative departments should be subject to the supervision and the correcting power of the Governor. The duties of the Secretary of State are so directly connected with the details of executive action, especially in the matters of appointment to office and the issuing of pardons, that he ought to occupy the position of chief assistant and adviser of the Governor; and ought to be selected by him. The Attorney-General is the legal adviser of the Governor. The chief executive officer of the State should be allowed the privilege which all men exercise, of selecting for a legal adviser such person as is, in his judgment, the most competent. The Attorney-General ought to have supervision over and be responsible for the conduct of all that class of officers, throughout the State, which is charged with the duty of prosecuting for crime and other violations of State laws. Prosecuting officers for offenses against the laws of the State, now erroneously called District Attorneys, should not be county officers but be the deputies of the Attorney-General, appointed by him or by the Governor on his recommendation. In this way responsibility for the due enforcement of the laws could be brought home, as it

should be, directly to the Governor, upon whom the duty is devolved to see that the laws are faithfully executed.

It appears to me proper that the Secretary of State and the Attorney-General should be appointed by the Goverernor without the intervention of the Senate, and hold office during his pleasure; and that the Comptroller, a Superintendent of Canals, and a Superintendent of Prisons, should, with or without the consent of the Senate, be appointed by the Governor to hold office during his own term, but removable by him at any time for cause. These officers would form a valuable council to the Governor.

On the Superintendent of Canals should be devolved all the duties now performed by the three Canal Commissioners and the State Engineer.

The management of the prisons of the State needs great reform which cannot be secured by a mere change of officers; the system is at fault. A Constitutional amendment has been suggested putting these institutions under the charge of a Board of Citizens who are not to be paid for their services. While that would be an improvement on the present system, reflection upon the subject has convinced me that a better amendment would be to supersede the present commission of three Inspectors (elected one every year by the people) by one Inspector of State Prisons to be appointed by the Governor and to be removable by him. An advisory or examining board of citizens might be valuable in addition; but for the actual administration of prison affairs and the appointment of all subordinate officers, it would be better to have the responsibility

concentrated upon one man, that one man being accountable to the Governor, than to have this responsibility divided among the members of a board or a commission.

It might be well that the State Treasurer, being the actual custodian of the public moneys, and perhaps the Superintendent of Public Instruction, should be appointed by joint ballot of the two houses of the Legislature; but all other administrative officers of the State, in addition to those heretofore named, should, in my judgment, be appointed by the Governor, with or without the consent of the Senate, so as to make his responsibility for the good management of the public affairs complete. In connection with this part of the subject, I would recommend that the term of office of the Governor be extended to three years, which was its duration under the first Constitution of the State. If these changes could be made in the Constitution, the people would have an opportunity once in three years, of putting out of power the entire administration and bringing in a new set of men, whereas now they can make only a partial change every year. It has occurred more than once in consequence of a part of them going out of office each year, that some of the administrative officers of the State have been of one party, and others of the opposing party; a condition of things that bewilders the popular judgment when seeking to fix responsibility for maladministration.

In the Legislative department there is great need of providing additional safeguards against faulty and special legislation. For twenty years past, the laws passed exceed an average of five hundred a year; for the last

six years they average over eight hundred a year, and it requires now two very bulky printed volumes of above two thousand pages to record the acts of each session. There can be no necessity for this mass of legislation. More than one thousand bills are now passed in a session; as the session lasts only about one hundred days, it will be seen that at least ten bills a day have to be passed through both houses, and as three readings should be had of each bill in each house, it is plain that deliberation by the members of the two houses over proposed laws is impossible.

Notwithstanding the deference which it is natural that the Executive should pay to the Legislature in matters pertaining to their special duty, that of law-making, I have found myself obliged, in the course of three sessions, to withhold my official approval from an aggregate of three hundred and ninety-one bills. In addition, more than one hundred bills have, after being delivered at the Executive chamber, been recalled by the Legislature for reconsideration, in order to correct inaccuracies or strike out objectionable provisions, discovered in my examination of them. It is not right to rely solely upon the Governor to review proposed legislation. It must happen, under the present habit of passing laws, that bills will, at every session, receive the Executive approval containing provisions which escape his scrutiny, and to which, if his attention had been called to them, he would have objected. The people must do their part, in guarding against improper legislation, when selecting their representatives in the Legislature; and the organic law should be so framed as to promote a wise selection.

Provision ought to be made in the Constitution securing the actual reading of every proposed law on three separate days in each house, and forbidding any substitute for the full and free discussion which pertains to consideration of a bill in committee of the whole house.

The provision in the existing Constitution limiting the session of the Legislature to one hundred days, has had no good practical effect. It has not lessened the amount of legislation ; it has simply caused the members to act with the more haste. The restriction should be removed and a fair annual salary be paid to Senators and Assemblymen. There is no true economy in withholding from public servants a just compensation for their labor.

As a better restraint upon undue prolongation of a session, I suggest that power should be given to the Governor to prorogue the Legislature at any time after it shall have been in session for one hundred days.

The chief office of a Senate should be to review the action of the other house, to check and restrain improvident, hasty or unwise legislation ; and, for the best discharge of this duty, it should be composed of men well-versed in public affairs. Its name imports that it is to be a council of men of long experience. Every inducement should be held out to attract the right men to service in this body. The public cannot expect, any more than a private person, to command valuable services unless it offers an adequate reward. This reward need not be wholly pecuniary ; the dignity of an office is often a more powerful inducement to the class of men we need in the public service. A long term and a large constituency would greatly enhance the dignity of the office

of Senator, and make it attractive to our most distinguished citizens. If the Senatorial term were made four or five years and the State were divided into a small number of Senatorial districts, so as to throw the choice of Senator upon a large constituency, and the compensation made a fair one, I do not doubt that the ablest and most experienced of our public men would be found ready to apply themselves, in the Senate, to the important duty of securing good laws for the people.

In the constitution of the house of Assembly no improvement suggests itself to me, except to abolish the single Assembly districts as now established, and restore county representation; that is to say, that every county shall elect the whole number of Assemblymen to which it is entitled upon a general ticket.

In respect to the Judicial Department, the action of the people is so recent in adopting the new sixth article of the Constitution (still further action on their part next year, upon the mode of selecting judges in the future, being also already provided for), that it would not be wise to have any changes made.

Among the general provisions of the Constitution, there ought to be one limiting the amount of indebtedness which municipalities may incur, and defining the purposes for which it may be incurred. Uniformity of the several classes of local governments, counties, towns, villages, ought to be secured by constitutional guaranty; so as to prevent special legislation with regard to them. It is impracticable, as I have already said, to frame a uniform charter for all our cities. But there are certain fundamental characteristics which ought to be found in all city

charters, and ought to be secured by constitutional provision.

There should be more specific constitutional restraints upon legislative power to grant special charters for private corporations; upon special legislation generally; upon legislative awards of extra compensation to claimants under contracts and otherwise; all of which tend greatly to encumber the statute book, demoralize the Legislature, and deplete the Treasury.

The veto power needs to be made more effectual. Two-thirds of all the members elected to either House should be required to overrule a veto, and where a bill contains several items of appropriation of money, the Governor should be authorized to refuse his assent to one or more of the items, while approving of others.

I have dwelt at this length upon the defects as they appear to me, of our present Constitution, as the best method of inviting attention on the part of the Legislature and the people to the subject.

The excitement of a long war, and the events succeeding it, have operated to divert our attention from our immediate home affairs. It is time we began to look to them.

The framers of the Constitution of 1846, eager for decentralization of power, made the mistake of supposing that this was to be effected by breaking apart and disconnecting the machinery whereby the State government is to be carried on, and by multiplying the number of elective officers. Decentralization consists in giving to the people of every county or other political subdivision complete control of their own proper local affairs, not in giving to

the people of a county the selection of State officers, of officers whose duties are exclusively connected with the general affairs of the State and the enforcement of the laws of the State. It is singular that true decentralization, which is to be found in enlarging the powers of the Boards of Supervisors of the several counties, was not provided for in the Constitution except by leaving the matter to be regulated by the Legislature.

Of the various methods by which a revision of the Constitution may be undertaken, my preference is for the appointment of a commission consisting of thirty-two members; and I recommend the passage of an act for the appointment of such a commission.

Mindful of the fact that the majority of the Legislature and the Executive are of opposed political parties, I refrain from discussing questions connected with the administration of the Federal government, upon which our opinions and views would widely differ; hoping that, in dealing with the home affairs of the State, we may be able to work together, earnestly and heartily, for the promotion of the general welfare of our people.

JOHN T. HOFFMAN.

# ANNUAL REPORT

OF THE

# COMPTROLLER

OF THE

# STATE OF NEW YORK.

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TRANSMITTED TO THE LEGISLATURE JANUARY 2, 1872.

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ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

STATE OF NEW YORK.

No. 3.

# IN ASSEMBLY,

January 2, 1872.

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## ANNUAL REPORT OF THE COMPTROLLER.

STATE OF NEW YORK:
COMPTROLLER'S OFFICE,
ALBANY, *Jan.* 2, 1872.

*To the Speaker of the Assembly:*

SIR.—I have the honor herewith to transmit the Annual Report of my predecessor, the Hon. ASHER P. NICHOLS, exhibiting the condition of the finances of this State at the close of the last fiscal year, and am,

Your obedient servant,

NELSON K. HOPKINS.

*Comptroller.*

# REPORT.

STATE OF NEW YORK:

COMPTROLLER'S OFFICE,
ALBANY, *December* 30, 1871.

*To the Legislature:*

The law makes it the duty of the Comptroller to exhibit to the Legislature, at its annual meeting, a complete statement of the funds of the State, of its revenues, and of the public expenditures during the preceding year, with a detailed estimate of the expenditures, to be defrayed from the treasury for the ensuing year, specifying therein each object of expenditure, and distinguishing between such as are provided for by permanent or temporary appropriations, and such as are required to be provided for by law, and showing the means from which such expenditures are to be defrayed, and to suggest plans for the improvement and management of the public revenues; and in obedience thereto he respectfully submits the following

## REPORT:

The general order of arrangement of previous reports will be observed as far as practicable.

## DEBT.

On the 30th September, 1870, the total funded debt was $38,641,-606.40, classified as follows:

| | |
|---|---|
| General Fund | $4,040,026 40 |
| Contingent | 68,000 00 |
| Canal | 11,966,580 00 |
| Bounty | 22,567,000 00 |
| | $38,641,606 40 |

On the 30th September, 1871, the total funded debt was $38,121,-606.40, classified as follows:

| | |
|---|---|
| General Fund | $4,040,026 40 |
| Contingent | 68,000 00 |
| Canal | 11,966,580 00 |
| Bounty | 22,047,000 00 |
| | $38,121,606 40 |

The following statement shows the amount of the State debt on the 30th September, 1871, after deducting the unapplied balances of the Sinking Funds at that date:

| | Debt on the 30th Sept., 1871. | Balances of Sinking Funds on the 30th September, 1871. | Balance of debt after applying Sinking Funds. |
|---|---|---|---|
| General Fund | $4,040,026 40 | *$1,805,744 29 | $2,234,282 11 |
| Contingent | 68,000 00 | 19,139 89 | 48,860 11 |
| Canal | 11,966,580 00 | 1,654,226 27 | 10,312,353 73 |
| Bounty | 22,047,000 00 | †5,159,793 43 | 16,887,206 57 |
| | $38,121,606 40 | $8,638,903 88 | $29,482,702 52 |

| | |
|---|---|
| The State debt on the 30th September, 1870, after deducting the unapplied balances of the Sinking Funds, amounted to | $32,409,144 26 |
| On the 30th September, 1871, to | 29,482,702 52 |
| Showing a reduction of | $2,926,441 74 |

GENERAL FUND DEBT.

The following statement gives the items of the General Fund Debt on the 30th September, 1871, and they are presented more in detail in the tables of the appendix accompanying this report:

| | |
|---|---|
| Astor stock, chapter 302, Laws of 1827, and chapter 86, Laws of 1832 | $561,500 00 |
| Deficiency loans under chapter 216, Laws of 1848 | 3,237,887 77 |
| Comptroller's bonds | 66,443 76 |
| Indian annuities | 122,694 87 |
| Not paying interest | 51,500 00 |
| | $4,040,026 40 |

The principal of the debt is payable as follows:

| | |
|---|---|
| On demand | $30,443 76 |
| 1875 | 900,000 00 |
| 1878 | 800,000 00 |
| At pleasure | 2,258,082 64 |
| Paying interest | $3,988,526 40 |
| Not paying interest | 51,500 00 |
| | $4,040,026 40 |

* Includes $981,588.68 received since the close of the fiscal year.

† Deducting interest accrued to October 1st, 1871, payable January 1st, 1872.

GENERAL FUND DEBT SINKING FUND.

The following statement gives the receipts and payments on account of the General Fund Debt Sinking Fund, for the fiscal year ending September 30th, 1871:

| | | |
|---|---|---|
| *Receipts, viz.:* | | |
| Balance in the treasury October 1st, 1870 | $439,001 13 | |
| Received from surplus canal revenues | 569,974 61 | |
| Transferred from the General Fund, for interest or money in the treasury, during the year | 43,552 78 | |
| | | $1,052,528 52 |
| *Payments, viz.:* | | |
| Interest on General Fund Debt | $211,440 46 | |
| Premium on coin to pay interest on debt | 9,129 10 | |
| Indian annuities | 7,361 66 | |
| Premium on coin to pay annuities | 441 69 | |
| | | 228,372 91 |
| Balance in the treasury September 30th, 1871 | | $824,155 61 |

The contribution to the General Fund Debt Sinking Fund, for the fiscal year ending September 30th, 1871, under section 2, article 7, of the Constitution, amounting to $981,588.68, and since paid in, makes the actual balance as of that day, $1,805,744.29. This contribution, it will be seen, was $411,614.07 more than in the previous year, but still $518,411.32 less than the contribution contemplated by section 2, article 7. Another year, it is believed the contribution will come up to the full constitutional measure.

CANAL DEBT AND CANAL REVENUES.

The aggregate of the Canal Debt on the 30th day of September, 1870, was $11,966,580, with an aggregate unapplied balance of Sinking Funds of $2,149,884.61, leaving the real balance unprovided for of $9,816,695.39.

On the 30th day of September, 1871, the account stood as follows:

| | |
|---|---|
| Aggregate debt | $11,966,580 00 |
| Aggregate of Sinking Funds | 1,654,226 27 |
| Real balance unprovided for | $10,312,353 73 |

The following statement of the Canal Debt, September 30, 1871, classifies it in reference to the Constitutional provisions for its payment, and shows the amount redeemable each year and the rate of interest:

## CANAL DEBT.

(*Under article* 7, *section* 1, *of the Constitution.*)

| | | |
|---|---|---|
| Stock not bearing interest | | $160 00 |
| *Redeemable as follows, viz.:* | | |
| Six per cent 1st July, 1837 | $160 00 | |
| Stock bearing five per cent interest | | 1,106,420,00 |
| *Redeemable as follows, viz.:* | | |
| 5 per cent 1st of January, 1874 | 1,106,420 00 | |
| Total Canal Debt under article 7, section 1, of the Constitution | | $1,106,580 00 |
| Of which there pays no interest | | 160 00 |
| Canal debt, under section 1, paying interest | | $1,106,420 00 |

(*Under article* 7, *section* 3, *of the Constitution.*)

| | | |
|---|---|---|
| Stock bearing six per cent interest | | $7,497,500,00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st July, 1872 | $1,562,900 00 | |
| 6 " 1st January, 1873 | 847,500 00 | |
| 6 " 1st July, 1873 | 1,013,500 00 | |
| 6 " 1st November, 1873 | 1,974,600 00 | |
| 6 " 1st October, 1874 | 2,099,000 00 | |
| | $7,497,500 00 | |

*For payment of Canal Revenue Certificates.*

| | | |
|---|---|---|
| Stock bearing six per cent interest | | 1,314,500 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st of July, 1873 | $1,314,500 00 | |
| Stock bearing six per cent interest | | 473,000 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st October, 1875 | 473,000 00 | |
| Total Canal Debt under section 3, paying interest | | $9,285,000 00 |

(*Under article* 7, *section* 12, *of the Constitution.*)

*For the payment of the floating debt:*

| | | |
|---|---|---|
| Stock bearing 6 per cent interest | | $1,575,000 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st July, 1872 | $695,000 00 | |
| 6 " 1st December, 1877 | 880,000 00 | |
| Total Canal Debt under section 12, paying interest | | $1,575,000 00 |

RECAPITULATION OF THE FOREGOING STATEMENT OF THE CANAL DEBT PAYING INTEREST ON THE 30TH OF SEPTEMBER, 1871.

| | |
|---|---|
| Under article 7, section 1, of the Constitution | $1,106,420 00 |
| Under article 7, section 3, of the Constitution | 9,285,000 00 |
| Under article 7, section 12, of the Constitution | 1,575,000 00 |
| | $11,966,420 00 |

Amounts in Sinking Funds, September 30th, 1871:

| | |
|---|---|
| Under section 1, article 7 | $1,133,591 56 |
| Under section 12, article 7 | 877,401 36 |
| | $2,010,992 92 |
| Less over draft on Sinking Fund under article 7, section 3, to pay interest | 356,766 65 |
| | $1,654,226 27 |

| | |
|---|---|
| The tolls collected for the year ending September 30th, 1870, were | $3,080,893 57 |
| For the year ending September 30th, 1871, they were | 2,813,686 29 |
| A falling off of | $267,207 28 |

| | |
|---|---|
| The receipts from all sources for the year ending September 30th, 1870, were | $3,107,138 90 |
| For the year ending September 30th, 1871, they were | 2,842,549 94 |
| A falling off of | $264,588 96 |

| | |
|---|---|
| The expenses for the year ending September 30th, 1870, were | $2,537,164 29 |
| For the year ending September 30th, 1871, they were | 1,860,961 26 |
| A falling off of | $676,203 03 |

| | |
|---|---|
| The net revenues for the year ending September 30th, 1870, were | $569,974 61 |
| For the year ending September 30th, 1871, they were | 981,588 68 |
| An increase of | $411,614 07 |

This result stands in gratifying contrast with that of the fiscal year ending September 30, 1870. Then the net revenues were $569,-974.61; now they are $981,588.68, showing an increase of $411,614.07.

But turning from a comparison of the fiscal year ending September 30, 1871, with the previous fiscal year, to one of the season of navigation of 1871 with that of 1870, the result is still more favorable to 1871. This shows an increase of tolls in the present season of navigation (and practically some fifteen days shorter) over that of 1870 of $487,227.78. A comparison of expenditures for the same years cannot accurately be made at this time, but it is entirely within the

limits of safety to say that they were as much smaller in the calendar year of 1871 as compared with that 1870, as the foregoing table shows them to have been in the corresponding fiscal year.

The receipts of 1871 were larger than the annual average of the thirty-four years since 1837; and the annual average for the seven years next preceding the war was only $2,459,540, or less by the large sum of $639,760.78, than the sum collected in the second season of the new era of low tolls and an improved condition of the canal. Further progressive benefits may reasonably be expected.

The financial policy of the State as to its canals is based on the principle which should dictate all national and minor measures for raising the revenue necessary to the maintenance of a government by the people for the benefit of the people. The means by which they gain their subsistence should not be impaired, and the least practicable portion of their surplus earnings should be taken from them. Such charges only should be levied on the trade passing through the canals as will suffice to keep them in repair, make judicious improvements and fulfill the constitutional obligations.

High tolls on transit through our canals are one of the most impolitic and injurious forms of taxation. They are a direct check upon the employment of the large class of men engaged in the most important industry of this State, and are ultimately levied upon the iron, coal, lumber, grain and other articles, either used as the raw material or source of motive power in manufactures.

It would be manifestly absurd to levy the same amount of tolls to-day as when the price of carrying a ton from Albany to Buffalo was as great as it now is for carrying the same weight from New York to the interior of Kansas. Competition has continually increased since the time when, with the exception of wagon roads, the Erie canal was the only route within the limits of the United States from the regions west of the Alleghany mountains, and those on the great lakes to the Atlantic. The State has recognized this fact by frequent diminutions of tolls, which were $1,530 on a hundred tons in 1830, but $316 in 1864–9. Closer rivalry compelled the yet further reduction to $210. Even this rate cannot be regarded as final. Further reductions will become necessary, and must be made, with the wisdom and foresight of statesmen, in advance of the occasion, and not after the opportunity of securing our object has either wholly or in part escaped.

Speedy restoration of the canal trade has followed the renewed progress of a wise and liberal policy. Not only are the measures recently adopted justified by the results, but, especially in connection with the

rapidly increasing competition, it is demonstrated in what direction future steps must be taken. Both northward and southward of our State new and vigorous efforts are continually made to secure the great prize of western trade. The Pennsylvania Central rapidly enlarges its connections both in the east and west; and the Chesapeake and Ohio will soon enter the field as a new and powerful rival. Already large quantities of western grain from the new railroad terminus at Duluth have passed beyond our lake ports and been carried eastward through Vermont. With similar objects other railroads are being made in Canada. These roads will have the advantage of a valuable saving in distance; and they are made and worked with labor, iron and machinery at prices very much lower than our own. Another significant item in the competition is the remarkable series of low grades on this route, not only to our State, but to the lower ports on the St. Lawrence, and to the ocean itself. The western enthusiasm for a direct communication by ship, with the ocean, was never stronger or more urgent. A recent importation of dry goods from Liverpool to Chicago, by steam, in twenty-two days, is an indication of what may be done as to other freight. It is argued, that by increasing the depth and width of the Canadian canals, the time required for each trip will be shortened, larger steamers will be profitably employed, and unprecedented reduction of the price for freight via the St. Lawrence will follow.

The reduction of tolls on our great water thoroughfares had been too long delayed. The receipts of grain at the city of New York, no longer ago than 1860, were seventy-nine per cent of those at the ports on the great lakes. In 1869, they had gradually decreased to fifty-five per cent, although those of the same lake ports had advanced from seventy to no less than a hundred and eighteen millions of bushels.

The decrease in the transit of cereals on the canals was yet more striking. Vegetable food is the most important item in the business of these great thoroughfares, and one-half of their revenue is derived from it. Freightage in the products of the forest continued to increase, as did also that in stone, coal and gypsum; but the most valuable part of the business was slipping away from the State. Although the receipts of grain at the western ports had so largely increased, the amount of vegetable food sent over the canals decreased from 2,122,237 tons in 1861, to only 1,302,613 in 1869, the last year of high tolls. In this class of articles the high toll system was no less conspicuously a failure in revenue than in tonnage. Under its

operation the revenue decreased in eight years to less than one-half of its amount at the beginning of that time, having been $3,637,118 in 1862, and only $1,755,554 in 1869; and the aggregate of tolls from all sources decreased from $5,188,943 to $3,778,501.

It is now conceded, by all parties, that low tolls on the cereals had become essential to our retention of the trade. There never has been a time, hitherto, when the production of grain at the north-west seemed so sure to increase as it now is. The unprecedented extension of railways has already opened numerous avenues through which the productions of additional areas are rendered valuable by cheap and rapid access to the markets on the great lakes. Enormous tracts of land, until lately supposed to be nearly worthless, in our own country and in those parts of the British possessions whose inhabitants will seek markets by way of the great lakes, are now known to be capable of yielding, with easy cultivation, vast crops of the best grain for the sustenance of the human race. Practically, their productiveness, for many years to come, is limited only by the cost of carrying the crops to market. The buyer and consumer are no less interested than the seller and producer. In every aspect, the problem of making the prices, at the place of consumption, as little as possible more than the prices at the place of production, is one of the most essential questions as to the progress of civilization itself.

The commerce of the State is, unquestionably, of primary importance, alike to our public finances and the personal interests of our people. The profits arising from it, gave the city and State of New York their present pre-eminence. Where the western growers send their productions to market, there they will also buy. The necessity of retaining this trade is obvious. It can only be done by offering advantages superior to those of any other route. The competition of other routes, among themselves, continually becomes closer, and it is impossible to foresee how far their charges for freight may be lowered. The changes must be met by such reductions on the canals, as will not only bring rates on them to a level with others, but, by greater cheapness, make up for the delay incident to the less expeditious means of transit. We cannot afford to rely merely on an imperfect development of the advantages given us by nature, and remain stationary in the great contest. Not to go forward is to retrograde.

The great grain fields of our country are continually moving further west. New York annually becomes more and more dependent upon the supplies of food from other States. Already, it is computed, on the best authority, that not less than fifty millions of bushels

of grain are imported annually into and consumed in our own State. Abroad, we find that by the construction of railroads the growers of wheat in Russia and other countries are enabled to bring immense quantities of it into the markets of the world from regions hitherto accessible only at heavy and prohibitory cost. Our former position as sellers can only be regained by such reductions in the cost of transportation as will enable us once more to undersell our rivals. The future of the grain trade is one of the most momentous subjects for patriotic reflection, not only as concerns our own State, but also the prosperity and wealth of the nation.

The policy now adopted as to tolls was for many years treated by many in the narrow spirit of temporary and partisan controversy, but there are reasons for believing that it will hereafter rest on its intrinsic merits, and that our statesmen and people, however widely they may differ on other questions, will henceforth unite in impartial consideration as to the best measures for giving permanence to the liberal system already amply justified by its results.

A large proportion of the trade taken from the canals has been restored to them. In 1869, it was apprehended that the transit of wheat would be entirely diverted. But, up to the end of November in 1871, as nearly as can be ascertained from commercial statistics, the receipts of grain at the upper lake ports, whence the supplies passing through this State are drawn, were almost exactly the same as in the previous year, but the quantity brought by the canals to tide-water, up to the same date, had increased nineteen per cent, or over four millions of bushels, being two and a half millions more than the largest amount of the same grain thus brought in any single year, since 1863, during the whole period of navigation. Tried by the same rule, the receipts of corn have scarcely ever been equaled, and were over fifteen millions of bushels more than at the corresponding date in 1870, having been less than five millions of bushels in that year, and more than twenty in 1871. The facts as to the other grains are not yet so fully known, but it is believed that there has been an increase in them also. Taken altogether, it appears that while the receipts of grain at the upper lake ports were, in 1871, about thirty per cent more than in 1870, the arrivals by way of the canals at tide-water increased at more than double that rate, or about sixty-seven per cent. This gratifying change presents a strong contrast to the state of affairs during the era of high tolls, when the tonnage of vegetable food on the canals fell from 2,122,237 in 1861, to only 1,302,613 in 1869.

An examination of the following tables will show the gratifying increase of the shipments of grain at Buffalo and Oswego in 1871, as compared with those of 1870:

BUFFALO.

| Bushels. | 1870. | 1871. |
|---|---|---|
| Wheat | 16,738,613 | 19,028,316 |
| Rye | 378,322 | 986,511 |
| Corn | 5,911,668 | 20,695,305 |
| Barley | 831,024 | 825,420 |
| Oats | 5,572,204 | 6,649,439 |
| Total | 29,431,831 | 48,184,991 |

OSWEGO.

| | | |
|---|---|---|
| Wheat | 3,857,727 | 3,796,568 |
| Rye | 264,346 | 223,235 |
| Corn | 361,411 | 2,424,029 |
| Barley | 3,246,104 | 3,010,712 |
| Oats | 247,053 | 113,957 |
| Total | 7,976,641 | 9,568,501 |

The aggregate shipments of grain in 1871, at Buffalo, exceeded those of the previous year by no less than 18,753,160 bushels, while those at Oswego also increased 1,591,860 bushels.

The freight brought by the canals from the west was last year limited by the number of boats, which was proportioned to the unprofitable business of previous years, and insufficient for the requirements of renewed prosperity. A continuation of the present policy as to low tolls and maintenance of the canal in a good and improving condition will not only increase the number of boats, but re-establish through lines for transportation from the upper lake ports to New York, with their numerous agencies for soliciting freight.

Many local accounts are not transmitted to the office of the Auditor in time to furnish, for this report, an exact statement of the tonnage of all kinds on the canals during the season lately closed; but, great as has been the increase of tolls and of trade in the cereals, the canal trade in coal has been injuriously affected, both by long-continued strikes in the coal mines and the operations of companies being the owners both of mines in Pennsylvania and also of the railroads leading thence to the central and western parts of this State.

While financial considerations furnish ample motives for reducing tolls to the lowest amount absolutely necessary to provide for the annual expenses, constitutional requirements and judicious improve-

ments of the canals, no less indisputable reasons for initiating and permanently maintaining this important reform, are found in its evident tendency to promote honest government. Corruption naturally arises from large revenues and lavish expenditures, but perishes in the atmosphere of wise economy and a due regard to the interests of the people in commercial as well as in political affairs.

Yet the reduction of tolls is only a part of the vital problem to be solved. In this era of marvelous mechanical inventions, the future is uncertain and the seats of commerce are sometimes changed. We have to contend not only against rival routes with their present facilities, but the combined speed and economy of railroads with double tracks devoted exclusively to freight have yet to be tested. Constant and vigorous attention both on the part of the State itself, and of the intelligent men who are especially interested in the result, is imperatively demanded to secure cheaper and more rapid methods of carrying property over our canals. The appropriation for this purpose at the last session of the Legislature, was a step in the right direction; and a rich field for enterprise and success is open to individual inventors as well as to those who hope to secure merited wealth and distinction by giving practical effect to new discoveries for the benefit of the people, through the best application of steam to towage between the Hudson and the great lakes.

The policy of maintaining and repairing the canals by contract, has been proved by the experience of ten years, to be both wasteful and corrupt. No more decisive condemnation of the system is needed, than the data officially furnished by its own advocates. They show that during its unmixed rule, the average annual cost to the people nearly doubled; having increased for the last six years of the term from $746,976 to $1,345,712, while the stipulated work, for which these profligate expenditures were made, was not done, but the chief canal was permitted to fall into so bad a condition, that the ordinary length of time necessary for a trip from Albany to Buffalo, was lengthened eighteen per cent, or from eight and one-half to ten days, during the whole six years of unprecedented cost. The life of the great carrying trade of the west languished and was departing, and much had to be done to restore it.

The inference from these facts is unavoidable, their memorable lesson is conclusive, and will, it is to be hoped, never be forgotten.

The official reports of the State Engineer also concur in demonstrating that the canals were in worse order for each of the whole term of years, when the $1,300,000 of the people's money were paid,

than when the comparatively small sum of $700,000 only was taken from the treasury for the same purpose.

The neglected condition of the canals, at the beginning of 1870, made heavy expenditures necessary for the promotion and preservation of business. Some of the quickest trips ever yet known have been made in the season lately closed, and the boatmen and all whose daily pursuits are connected with the inland commerce of the State, concur in bearing strong, cheerful, and decisive testimony to the vigilant and prompt attendance of the employes along the line of the canals and the great and favorable change in the security and speed of navigation.

The decrease of $676,203 in the expenditures on the canals during the fiscal year of 1870, '71, indicates that the large expenses of the previous year are no longer necessary, and further reductions may confidently be expected in the next fiscal year.

### CANAL DEBT.

Of the principal of the Canal Debt, under section 3, article 7, of the Constitution, the sum of $1,562,900 is redeemable July 1, 1872, and $847,500 January 1, 1873. The Sinking Fund being insufficient to meet these demands, other provision must be made.

This must be done, if practicable, under section 3, by procuring the necessary means to satisfy any deficiency "on the credit of the said Sinking Fund," or, such primary resource failing, by taxation, under section 5.

It is believed that the credit of the Sinking Fund will be found a security abundantly ample for borrowing the sums required from time to time, and that a resort to taxation cannot be necessary.

### BOUNTY DEBT.

On the 30th of September, 1871, the outstanding stocks and bonds representing this indebtedness, amounted to $22,047.000, classified as follows:

| | |
|---|---|
| Registered stock | $20,675,000 00 |
| Coupon bonds | 1,372,000 00 |
| | $22,047,000 00 |

### BOUNTY DEBT AND SINKING FUND.

The following table gives the receipts and payments on account of this fund for the fiscal year ending September 30th, 1871:

*Receipts, viz.:*

| | | |
|---|---|---|
| Balance in the treasury October 1st, 1870 | | $2,704,287 99 |
| Proceeds of 2½ mills tax levied in 1870, in pursuance of chapter 325, Laws of 1865 | | 4,096,279 97 |
| Interest on investments | | 38,193 82 |
| Transferred from the general fund for interest on money in the treasury during the year | | 103,102 68 |
| | | $6,941,864 46 |

*Payments, viz:*

| | | |
|---|---|---|
| Interest on debt | $1,577,224 02 | |
| Purchase of stocks and bonds for investment | 657,000 00 | |
| Interest on bonds purchased | 2,104 47 | |
| Premium and commissions on stock purchased | 43,164 13 | |
| | | 2,279,492 62 |
| Balance in the treasury September 30th, 1871 | | $4,662,371 84 |

To the above cash balance of $4,662,371.84 should be added, as constituting a part of the capital of the fund, the sum of $883,244.09, making a total of $5,545,615.93 for items of which see table VIII.

This debt becomes due in April, 1877, and to keep up the Sinking Fund to a point adequate to its extinguishment at maturity, requires an annual contribution of $3,953,911.66.

A tax of two (2) mills for the current year will raise sufficient for that purpose and leave a small surplus. This annual contribution necessary to fill the Sinking Fund at a given time, is computed on a basis which makes no allowance for loss of interest by reason of inability to invest without delay, or to invest in the prescribed securities except at a premium which reduces interest in the same ratio. But, with the greatest care, these losses, to a certain extent, are inevitable and must be taken into the account. The annual contribution, therefore, should always be above the mathematical point to an amount sufficient to cover such losses. Two (2) mills for the current year, it is believed, will be sufficient for this purpose. Of the cash balance in the treasury to the credit of this Sinking Fund, $992,426.52 have been invested since the close of the last fiscal year.

### THE CONTINGENT DEBT.

The only contingent debt of the State is that incurred for the Long Island Railroad Company, the interest of which is paid, and the principal of which will be provided for by that company. No change has been made in this debt during the fiscal year.

The amount September 30th, 1871, was $68,000. The Sinking Fund for its payment on the same day amounted to $19,139.89.

LOCAL VALUATIONS AND INDEBTEDNESS.

The Comptroller desires again to call the attention of the Legislature to the importance of extending the operation and increasing the efficiency of chap. 117, Laws of 1836. By this law it is made the duty of the clerk of the board of supervisors of the several counties, to transmit the Comptroller, on or before the second Monday of December, annually, in a form to be prescribed by him, a return of the aggregate valued amount of real and personal estate, in each town or ward, as corrected by the board of supervisors, under a penalty of fifty dollars for neglect or refusal.

The information to be derived under the law, as it now stands, is of the first importance; but to render it complete it should be supplemented by a statement of the county, town, city and village indebtedness. There is much irregularity and delay in furnishing the facts required by the present statute. The Comptroller recommends its amendment, by including in the information to be published, a statement of the county, town, city and village indebtedness, and by providing, by proper penalties, for a prompt performance of the duties imposed by it.

## REVENUES.

The following condensed statement gives the expenditures and revenues for the last fiscal year, showing an apparent deficiency of $8,878,806.62:

| | | |
|---|---|---|
| Deficiency of the General Fund Revenue on the 30th September, 1870, | | $5,370,481 29 |
| Amount of warrants drawn on the treasury on account of the General Fund, during the year ending 30th September, 1871. (See Schedule II.) | | 10,505,799 28 |
| Amount transferred to the Bounty Debt Sinking Fund, being the proceeds of the 2½ mill tax levied in 1870, in pursuance of chapter 325, Laws of 1865 | | 4,096,279 97 |
| Amount transferred to the following funds for interest on money in the treasury during the year, belonging to said funds, viz.: | | |
| School Fund | $69,862 34 | |
| Literature Fund | 105 08 | |
| United States Deposit Fund | 1,303 86 | |
| Long Island Railroad Company Sinking Fund | 259 73 | |
| Bounty Debt Sinking Fund | 103,102 68 | |
| General Fund Debt Sinking Fund | 43,552 78 | |
| | | 218,186 47 |
| | | $20,190,747 01 |
| Amount of warrants drawn on the treasury remaining unpaid on the 30th September, 1870 | | 746 86 |
| Carried forward | | $20,191,493 87 |

| | | |
|---|---|---|
| Brought forward | | $20,191,493 87 |
| Amount of receipts into the treasury during the year ending 30th September, 1871. (See Schedule I.) | $11,286,828 34 | |
| Amount transferred from the School Fund, for bonds for lands | 24,791 25 | |
| | $11,311,619 59 | |
| Amount of warrants drawn on the treasury remaining unpaid on the 30th September, 1871 | 1,067 66 | |
| | | 11,312,687 25 |
| Deficiency of the revenue on the 30th September, 1871 | | $8,878,806 62 |

This deficiency is very largely nominal, not real. Taxes levied for the fiscal year ending September 30, 1871, and unpaid on that day, together with advances on appropriations based upon taxes for the current year, amounting in the aggregate to $6,550,881.89, should be deducted from above deficiency, $8,878,806.62, which would leave an actual deficiency of $2,327,924.73 being $213,178.56 in excess of the estimated deficiency. This increase is accounted for by appropriations not included in the estimates of this department.

The following table gives the items of unpaid taxes, etc., referred to:

| | |
|---|---|
| Unpaid balances due from county treasurers September 30, 1871 | $6,107,995 38 |
| Paid prior to September 30, 1871, in anticipation of State tax, viz.: | |
| Hudson River State Hospital for the Insane | 168,000 00 |
| Willard Asylum for the Insane | 86,776 25 |
| Quarantine | 138,110 26 |
| New Capitol | 50,000 00 |
| | $6,550,881 89 |
| Add estimated deficiency to September 30, 1871, as per last report | 2,114,746 17 |
| | $8,665,628 06 |

To anticipate a portion of such unpaid taxes, the Comptroller, in June last, under chapter 8, part 1 of the Revised Statutes, made a temporary loan of $300,000, payable, $100,000 April 15th, 1872, $100,000 May 15th, 1872, and $100,000 June 15th, 1872. The payment of such loan appears in the liabilities of the current year, and the proceeds thereof find place among the receipts of the last fiscal year.

The Comptroller desires again to call the attention of the Legislature to the importance of amending section 5, chapter 393, Laws of 1863, so that it will be his duty to charge interest, at a given rate, on

all unpaid balances due from county treasurers, after the time fixed by law for the payment by them of the State tax into the treasury.

In this connection, he recommends that the annual State tax from the city and county of New York be made payable within the fiscal year for which it is imposed by the Legislature. The fiscal year ends on the 30th of September, but the sum received from this county is not payable till the 1st of December. It constitutes nearly fifty per cent of the entire State tax, and must of necessity enter very largely into the transactions of the given fiscal year, yet it is not payable till two months after its expiration.

By chapter 854, Laws of 1868 (page 2028), it is provided that "the compensation of the county treasurer of said county (of New York) shall hereafter be one-half of one per cent on all moneys received, and one-half of one per cent of all moneys paid out by him, in that capacity, but not exceeding ten thousand dollars per annum, from the county treasury." While the county treasurer of New York should have a proper compensation for receiving and paying over the State tax, it is submitted that the foregoing rate is altogether disproportionate to the service rendered and should be greatly reduced. By chapter 110, Laws of 1871, the rate of compensation for receiving and paying over the State tax, in all counties except New York, Kings, Albany, Otsego, Onondaga, Erie and Westchester, is fixed at one per cent, "but in no case to exceed five hundred dollars." In the excepted counties there are special rates. The State tax, by so much as it is reduced by the allowance of fees, fails to cover the appropriations based upon it, and a deficiency is the result, to be subsequently made up. The Comptroller recommends that a uniform rate of compensation for all the counties, graduated according to amount of State tax, and not exceeding in any case a given maximum, be established by the Legislature.

### PUBLIC EXPENDITURES.

The following statement will enable the Legislature to compare the expenditures, in certain departments, for the years 1870 and 1871:

| | 1870. | 1871. |
|---|---|---|
| Clerks in public offices | $75,157 63 | $77,714 59 |
| Expenses of public offices | 13,698 38 | 11,784 46 |
| Legislature, pay of members and officers | 142,186 10 | 167,779 00 |
| Legislature, contingent expenses | 163,087 18 | 254,677 01 |
| Printing for the State | 369,660 31 | 238,399 01 |
| Hall for the Cabinet of Natural History | 17,734 79 | 20,972 85 |
| Militia and National Guard | 263,530 02 | 267,924 54 |
| Governor, incidental expenses of government | 2,766 90 | 2,853 61 |
| Promotion of agriculture | 20,529 15 | 19,255 87 |
| Rivers, roads and bridges | 10,390 95 | 50,654 89 |
| State prisons, including transportation of convicts, | 951,641 58 | 906,461 93 |
| New York Institution for Deaf and Dumb | 93,750 00 | 100,202 73 |
| New York Institution for Blind, New York | 34,077 32 | 32,760 98 |
| Orphan asylums, etc | 535,657 69 | 779,784 57 |
| Quarantine | 290,644 35 | 344,329 28 |
| Insurance Department | 75,869 69 | 80,965 78 |

EXPENDITURES FOR EDUCATIONAL AND CHARITABLE PURPOSES.

The expenditures from the public treasury during the last fiscal year for these purposes were $3,007,563.11, of which $2,458,751.48 were the proceeds of a direct tax of 1¼ mills for common schools.

The purposes and amounts of the several State appropriations and payments are as follows:

| | |
|---|---|
| Academies, for dividends | $43,144 58 |
| Academies, for instruction of common school teachers | 14,289 64 |
| Charity week-day schools | 75,742 50 |
| Common school dividends | 244,600 00 |
| Cornell University | 32,000 00 |
| Indian schools | 4,395 72 |
| Normal schools | 20,206 08 |
| School commissioners' salaries | 90,427 19 |
| Teachers' institutes | 20,563 22 |
| School tax, 1¼ mill | 2,458,751 48 |
| Elmira Female College | 3,442 70 |
| | $3,007,563 11 |

The expenditures for the same period by the State for the support of asylums and hospitals for the deaf, blind, insane and idiotic, was $314,631.20.

The following is the schedule of the institutions in aid, or for the support of which payments have been made from the treasury, with the amounts paid for each:

| | |
|---|---|
| Deaf and dumb | $125,202 73 |
| Blind | 64,760 98 |
| Insane | 94,667 49 |
| Idiotic | 30,000 00 |
| | $314,631 20 |

These amounts do not include the large sums appropriated during the year for building purposes to the institutions which have been in progress during the year. That class of expenditures will appear in another part of this report.

Schedule XXV, annexed to this report, is compiled from the reports of the several charitable institutions sharing in the State appropriations, and, it is believed, exhibits fairly the financial condition of, and the work accomplished by them respectively.

STATE ASYLUMS FOR THE INSANE IN PROCESS OF CONSTRUCTION.

The Hudson River State Hospital for the Insane, at Poughkeepsie, contemplates a total capacity for 400 patients. Since the last annual report, it has been partially completed, and on the 18th day of October last was opened for the reception of patients. The number admitted and now actually enjoying its benefits is eleven. The capacity of the completed structures, exclusive of the rooms for administrative and domestic purposes, for medical and other offices, and for officers and employes, is equal to providing and caring for 120 inmates. The managers have decided to restrict the admission of patients to recent or acute cases of insanity, and to receive both sexes.

The Willard Asylum for the Insane, at Ovid, it is understood, has added materially, during the last year, to its capacity for properly providing and caring for that portion of the insane more particularly intended to be received and treated there, and is now, in large measure, making practically available the bounty of the State.

The plans of The Buffalo State Asylum for the Insane have been adopted, and the managers, during the last year, have been engaged in preparing the grounds and in the erection of the structures.

The following table exhibits the expenditures for each of these asylums, for purposes other than maintenance, up to the close of the fiscal year, with the years in which the expenditures were made:

| | Hudson River State Hospital for the Insane, Po-'keepsie. | Willard Asylum for the Insane, Ovid. | Buffalo State Asylum for the Insane. |
|---|---|---|---|
| To September 30th, 1865 | ..... | $639 89 | ..... |
| " 30th, 1866 | ..... | 64,622 42 | ..... |
| " 30th, 1867 | $35,902 00 | 118,643 53 | ..... |
| " 30th, 1868 | 124,300 49 | 66,873 41 | ..... |
| " 30th, 1869 | 139,467 00 | 90,565 80 | ..... |
| " 30th, 1870 | 242,720 05 | 122,927 68 | $305 13 |
| " 30th, 1871 | 298,462 06 | 143,421 25 | 41,253 31 |
| | $840,851 60 | $607,693 98 | $41,558 44 |

The census of 1865 makes the number, within the State, of

| | |
|---|---|
| Deaf and dumb | 1,600 |
| Blind | 1,338 |
| Insane | 3,114 |
| Idiotic | 1,451 |

These figures of 1865 are doubtless much increased since, but this office is without later data on the subject.

The whole amount paid from the treasury during the fiscal year for all purposes, on account of hospitals, orphan asylums and other charitable institutions, was $1,773,370.89.

### SALT DUTIES.

The report of the superintendent of the Onondaga salt springs shows the following receipts and expenditures for the fiscal year, viz.:

*Receipts.*

| | |
|---|---|
| From duties on salt manufactured | $85,791 93 |
| Expenditures | 59,135 14 |
| Net revenue | $26,656 79 |

The number of bushels inspected the last year was 8,579,193, against 8,851,247 the preceding year. The estimate of expenses for the ensuing year is $56,000, against $50,000 for the current year.

### AUCTION DUTIES.

The receipts from auction duties for the past fiscal year, as compared with those of the previous year, were as follows:

| | |
|---|---|
| Year ending September 30th, 1870 | $121,602 18 |
| Year ending September 30th, 1871 | 100,196 88 |
| Decrease | $21,405 30 |

STATE PRISONS.

The following statement shows the expenditures and earnings of each of the prisons for the year ending September 30, 1871:

| | Advances from the treasury. | Received from earnings. | Excess of expenditures. |
|---|---|---|---|
| Auburn | $189,159 11 | $129,220 31 | $59,938 80 |
| Clinton | 319,169 99 | 175,384 54 | 143,785 45 |
| Sing Sing | 364,173 53 | 131,547 85 | 232,625 68 |
| Miscellaneous expenditures not distributed, including $22,459.30 for transportation of convicts | ..... | ..... | 33,959 30 |
| | $872,502 63 | $436,152 70 | $470,309 23 |

| | |
|---|---|
| In 1867 the excess of advances from the treasury over receipts from earnings was | $366,874 79 |
| In 1868 it was | 512,547 74 |
| In 1869 it was | 595,774 45 |
| In 1870 it was | 461,304 99 |
| In 1871 it was | 470,309 23 |

It will thus be seen that the excess of advances over earnings, for the last fiscal year, was $9,004.24 greater than in the previous year. It cannot be doubted that our system of prison management is very defective and unnecessarily expensive. Starting with the labor of convicts free, as a capital,—a body of labor drawn from all callings and grades, and comprising skill in almost every department of industry,—it hardly admits of argument that our prisons, under wise policy and management, should be self-sustaining; not a charge of nearly half a million of dollars annually upon the treasury. The Comptroller warmly commends the subject to the attention of the Legislature, as he did in the last annual report, "as worthy of the most earnest, thorough and intelligent investigation, with reference to its revision."

THE STATE REFORMATORY AT ELMIRA.

The work of erecting this reformatory has been actively prosecuted during the last fiscal year, and the money paid from the treasury for the purpose, during that period, was $123,318.50.

NEW YORK STATE INEBRIATE ASYLUM.

By chap. 65, Laws of 1861, the trustees of this asylum, at Binghamton, were authorized to issue bonds to the amount of sixty thousand dollars, their payment being secured, by the act, "by a pledge of all the lands and buildings belonging to the said New York State

Inebriate Asylum." The bonds were to be issued for a period of ten years, and to draw seven per cent interest, payable semi-annually in the city of New York, to be sold at not less than par, and the proceeds to be expended in building said asylum.

Pursuant to this authority, the trustees issued bonds to the amount of sixty thousand dollars, which became due and payable on the first day of May, 1871. The interest accruing up to November 1, 1870, has been paid, but the trustees not having the means to meet subsequently accruing interest, and the principal at maturity, the same remain unpaid. The party holding the bonds desires their payment with interest from November 1, 1870, and early provision therefor is recommended by the Comptroller.

NEW CAPITOL.

Paid from the treasury during the fiscal year ending September 30th, 1871, viz.:

| | |
|---|---|
| Advances to commissioners | $465,000 00 |
| Expenses of commissioners | 1,092 37 |
| Interest on advances, and on award for lands purchased | 16,850 00 |
| | $482,942 37 |

Schedule XXVII, annexed to this report, shows all the expenditures by the Commissioners for the new Capitol from its commencement in 1867 to September 30th, 1871.

The appropriation made by the last Legislature "toward the erection of a new Capitol," was six hundred and fifty thousand dollars ($650,000). This being based upon a tax which is not available till April 1st, 1872, the Comptroller has not felt at liberty, in view of the state of the treasury, to anticipate its payment to any considerable extent, and only fifty thousand dollars ($50,000) of the appropriation has been paid. Vouchers for expenditures by the commissioners have been examined and audited to the amount of $284.030.67, to be paid when the appropriation shall become available, the money for such expenditures having been obtained by the commissioners, it is understood, elsewhere, upon the faith of the appropriation.

TRUST FUNDS.

The following statement exhibits the capital of the several trust funds at the close of the last fiscal year, with the receipts and payments on account of the same up to its close. The schedules annexed to this report, from I to VIII inclusive, exhibit more in detail the dealings with the funds for the year and their present condition:

| | Capital, September 30th, 1871. | Revenue, etc. | | |
|---|---|---|---|---|
| | | Rec's during the year, including balances Oct. 1st, 1870. | Payments during the year. | Balance September 30th, 1871. |
| School Fund | $2,978,576 52 | $372,918 17 | $372,918 17 | ..... |
| Literature Fund | 270,980 76 | 44,486 94 | 47,920 43 | *$3,433 49 |
| United States Deposit Fund | 4,014,520 71 | 253,102 16 | 284,892 14 | *31,789 98 |
| College Land Scrip Fund | 473,402 87 | 31,785 54 | 27,112 72 | 4,672 82 |
| Cornell Endowment Fund | 128,596 61 | 10,862 53 | 6,530 56 | 4,331 97 |
| Elmira Female College Educational Fund | 50,000 00 | 3,442 70 | 3,442 70 | ..... |
| Long Island R. R. Co. Sinking Fund | 19,139 89 | 5,207 00 | 4,059 72 | †1,147 68 |
| Trust Fund for Payment of Bounties | 20,905 00 | ..... | ..... | ..... |
| Military Record Fund | 39,121 40 | 2,836 81 | 3,083 63 | *246 82 |

SCHOOL FUND.

The investments and present condition of this fund are exhibited in Schedule III, annexed to this report, together with the receipts and disbursements of the revenue for the fiscal year just closed. The increase and diminution of the fund during the year is shown by Schedule IV. There was an actual increase of the capital by the sum of $62,943.48.

LITERATURE FUND.

The capital of this fund has not been increased during the last fiscal year. The charges upon the revenue by the appropriations for the year were $3,433.49 in excess of receipts, which excess has been paid from the treasury. Schedule V exhibits the amount and condition of this fund in detail.

UNITED STATES DEPOSIT FUND.

The capital of this fund by the terms of the act under which it was received from the United States, and by the State Constitution, must be kept inviolate, and all deficiencies and losses made good from the revenue or from the General Fund. The revenues are devoted to educational purposes, and with the exception of $25,000, which is annually to be added to the capital of the Common School Fund, are at the disposal of the Legislature.

The deficiency of revenue on the 30th day of September, 1870, was $31,116.25. Still, owing to excess of appropriations over revenue on the 30th day of September, 1871, there was a deficiency of $31,789.98. This should be made good by a transfer of like amount from the General Fund.

Schedule VI in the appendix is referred to for a statement of this account in detail.

* Deficiency. † Transferred to capital.

### ELMIRA FEMALE COLLEGE EDUCATIONAL FUND.

This fund exists under an act entitled "An act to aid the Elmira Female College," passed April 23d, 1867, as amended by chapter 586 of the Laws of 1869.

This fund consists of individual contributions of $25,000, and the contribution of like sum from the State, under chapter 79, Laws of 1870. The capital is now $50,000, and is invested in good securities.

### TRUST FUND FOR THE PAYMENT OF BOUNTIES.

This fund was established by chapter 756 of the Laws of 1869. The amount of its capital has not been increased during the last fiscal year, which, on the 30th day of September, 1871, was $20,905.

### COLLEGE LAND SCRIP FUND AND CORNELL ENDOWMENT FUND.

The following tables show the condition of these funds September 30th, 1871:

#### COLLEGE LAND SCRIP FUND.

| | |
|---|---|
| The capital of this fund, on the 30th September, 1870, amounted to.... | $454,615 87 |
| On the 30th of September, 1871, to..... | 473,402 87 |
| Increase during the year..... | $18,787 00 |

(For details, see Schedule VII.)

From the revenue of the fund there has been paid to the Cornell University during the year $26,000, leaving a balance in the treasury on the 30th September, 1871, of $4,672.82.

#### CORNELL ENDOWMENT FUND.

| | |
|---|---|
| The capital of this fund, on the 30th September, 1870, amounted to... | $117,169 41 |
| On the 30th September, 1871, to..... | 128,596 61 |
| Increase during the year..... | $11,427 20 |

(For particulars, see Schedule VII.)

From the revenue of the fund there has been paid to the Cornell University during the year $6,000, leaving a balance in the treasury on the 30th September, 1871, of $4,331.97.

(See also report of Hon. Ezra Cornell, in Appendix XXVI.)

## RECEIPTS AND EXPENDITURES.

The receipts into and payments from the treasury on account of all the funds, except the Canal and Free School Funds, for the fiscal year ending September 30th, 1871, were as follows:

| | |
|---|---|
| Receipts | $12,439,048 07 |
| Payments | 14,530,701 08 |
| Treasury overdrawn September 30th, 1871 | $2,091,653 01 |

In the report of this department of January 1st, 1871, the receipts and payments on account of the General Fund revenue, including deficiency for the then current fiscal year, were estimated as follows:

| | |
|---|---|
| Receipts | $17,209,194 21 |
| Payments | 19,323,940 38 |
| Estimated deficiency to 30th September, 1871 | $2,114,746 17 |

The actual receipts and payments, including deficiency of previous years, were:

| | |
|---|---|
| Receipts | $11,312,687 25 |
| Payments | 20,191,493 87 |
| Actual deficiency September 30th, 1871 | $8,878,806 62 |

The receipts and payments on account of the General Fund revenue, for the fiscal year ending September 30th, 1872, are estimated as follows:

| | |
|---|---|
| Estimated receipts to 30th September, 1872 | $16,463,716 62 |
| Estimated payments to 30th September, 1872 | 20,514,875 71 |
| Estimated deficiency, 30th September, 1872 | $4,051,159 09 |

This large estimated deficiency shows, in a compact form, the excess of appropriations over provision to meet them. At the close of the last fiscal year, the actual deficiency was $2,091,653.01; at the close of the present fiscal year, ending September 30th, 1872, the estimated deficiency will be $4,051,159.09, which must be provided for by taxation. There is no magic which can transmute the words of appropriation bills into gold, thus enabling them to pay themselves. Appropriations mean actual money, and this can only be realized by the practical process of taxation.

STATE OF THE TREASURY.

| | | |
|---|---|---|
| Amount received into the treasury on account of the several funds, during the year ending 30th of September, 1871 (see Schedule I) .. | | $12,437,980 41 |
| Amount of warrants drawn on the treasury remaining unpaid on the 30th September, 1871 ..... | | 1,067 66 |
| | | $12,439,048 07 |
| Amount overdrawn on the 1st of October, 1870..... | $941,546 59 | |
| Amount of warrants drawn on the treasury on account of the several funds, during the year ending 30th September, 1871 (see Schedule II) ..... | 13,588,407 63 | |
| | $14,529,954 22 | |
| Amount of warrants drawn on the treasury remaining unpaid on the 30th September, 1870 ..... | 746 86 | |
| | | 14,530,701 08 |
| Amount overdrawn on the 30th September, 1871 ..... | | $2,091,653 01 |

The balances due from and to the treasury on the 30th September, 1871, were as given in the following statement:

| | | | |
|---|---|---|---|
| From the General Fund revenue ..... | | | $8,878,806 62 |
| From the United States Deposit Fund revenue..... | | | 31,789 98 |
| From the Literature Fund revenue ..... | | | 3,433 49 |
| From the Military Record Fund revenue ..... | | | 246 82 |
| From the Long Island Railroad Co. Sinking Fund ..... | | | 147 93 |
| | | | $8,914,424 84 |
| To the School Fund, viz.: | | | |
| Capital..... | | $1,226,480 30 | |
| To the Literature Fund, viz.: | | | |
| Capital ..... | | 3,502 82 | |
| To the United States Deposit Fund, viz.: | | | |
| Capital ..... | | 47,941 06 | |
| To the Mariner's Fund, viz.: | | | |
| Capital ..... | $164 81 | | |
| Under protest ..... | 1,169 76 | | |
| | | 1,334 57 | |
| To the College Land Scrip Fund, viz.: | | | |
| Capital ..... | $18,602 87 | | |
| Revenue ..... | 4,672 82 | | |
| | | 23,275 69 | |
| To the Cornell Endowment Fund, viz.: | | | |
| Capital ..... | $7,796 61 | | |
| Revenue..... | 4,331 97 | | |
| | | 12,128 58 | |
| To the General Fund Debt Sinking Fund..... | | 824,155 61 | |
| To the Soldiers' Allotment Fund..... | | 54 96 | |
| To the Military Record Fund, capital ..... | | 121 40 | |
| To the Trust Fund, for the payment of bounties ..... | | 20,905 00 | |
| To the Bounty Debt Sinking Fund ..... | | 4,662,371 84 | |
| To the Metropolitan Board of Health Fund..... | | 500 00 | |
| To the Treasurer for amount overdrawn ..... | | 2,091,653 01 | |
| | | | $8,914,424 84 |

The following statement gives the principal objects to which the General Fund revenues were appropriated for the past fiscal year, the sources from whence they were derived, and the amounts received and disbursed:

*Receipts.*

| | |
|---|---|
| Auction duty | $100,196 88 |
| Salt duty | 84,731 04 |
| Interest on investments and deposits | 52,476 60 |
| State prisons | 436,152 70 |
| Fees of public offices | 8,529 09 |
| State tax | 9,590,199 44 |
| Non-resident taxes | 198,414 91 |
| Banking department | 19,072 60 |
| Railroad companies | 15,961 09 |
| Gas-light companies | 2,224 97 |
| Insurance department | 85,939 88 |
| National Guard fines | 1,344 35 |
| Sale of lands | 17,891 62 |
| Temporary loan to the treasury | 500,000 00 |
| District tax, chapter 765, Laws of 1868 | 5,742 35 |
| Westchester county bonds, principal | 150,000 00 |
| Sales of Natural History | 3,380 45 |
| Expenses of public lands | 2,263 80 |
| Miscellaneous | 12,306 57 |
| | $11,286,828 34 |

*Payments.*

| | |
|---|---|
| Executive department | $22,142 08 |
| Judiciary | 361,509 20 |
| Public offices, salaries, clerk hire and expenses | 278,969 30 |
| Capitol | 20,430 51 |
| New Capitol | 482,942 37 |
| State Hall | 12,040 01 |
| Hall for the Cabinet of Natural History | 20,972 85 |
| Natural History of New York | 5,641 39 |
| Legislature | 422,456 01 |
| Fuel for the Capitol, State Hall and State Library | 3,761 48 |
| Printing for the State | 238,399 01 |
| State tax for canal purposes | 3,880,035 93 |
| State military expenditures | 393,830 38 |
| Onondaga salt springs | 54,979 39 |
| State prisons and asylum for insane convicts | 925,665 14 |
| Penitentiaries for support of convicts | 4,218 55 |
| Agricultural societies, etc. | 19,255 87 |
| Relief of sick and wounded soldiers | 2,633 25 |
| Transportation of journals, documents and packages for the Legislature and public offices | 2,817 54 |
| Quarantine | 344,329 28 |
| Carried forward | $7,497,029 54 |

| | |
|---|---|
| Brought forward | $7,497,029 54 |
| Hospitals, orphan asylums and other charitable institutions | 1,773,370 89 |
| Non-resident taxes | 43,449 02 |
| Improvement of Cayuga lake inlet | 11,332 84 |
| Department of inspector of steam boilers | 11,181 73 |
| Bridge across Cattaraugus creek | 6,804 80 |
| Bridge across the Allegany river, on Indian reservation in Carrolton, | 2,000 00 |
| Washington's Headquarters | 1,743 78 |
| Commissioners on rinderpest | 201 21 |
| Montezuma salt springs | 1,000 00 |
| Soldiers of the war of 1812 | 101,902 09 |
| Commissioners of fisheries | 8,158 32 |
| Commissioners to revise statutes | 16,697 15 |
| M. H. Williams, commissioner at the French universal exposition of 1867 | 10,000 00 |
| Pilot commissioners, New York | 4,500 00 |
| Development of salines at Canastota | 2,000 00 |
| Costs of sundry suits commenced by district attorney of New York | 54,497 84 |
| New York volunteers in Mexican war | 15,823 20 |
| State normal schools | 20,206 08 |
| Improvement of the tributaries of Great Sodus bay | 5,000 00 |
| Improvement of the navigation of Indian river | 10,000 00 |
| Bridge across Great Sodus bay | 1,500 00 |
| Improvement of the navigation of Boquet river | 1,250 00 |
| Bridge across Hudson river, near North Creek, Warren county | 5,000 00 |
| Bridge across Allegany river, on Indian Reservation, town of Red House, Cattaraugus county | 5,000 00 |
| Bridge across French creek, Chautauqua county | 2,000 00 |
| Removing obstructions from Big Chazy river | 10,000 00 |
| Repairing highway, changed in constructing Genesee Valley canal | 2,000 00 |
| Portrait of De Witt Clinton | 5,000 00 |
| New York Poultry Society | 1,500 00 |
| Repairs and improvements of Congress Hall | 25,324 88 |
| B. and D. Hughes, for a dredge | 15,000 00 |
| National Cemetery at Antietam | 7,281 00 |
| Auditor Canal Department, to replace amount stolen from safe in canal collector's office, New York, in 1864 | 2,450 00 |
| Erroneous payments refunded | 20,171 27 |
| Temporary loan to the treasury | 710,116 66 |
| Interest on deferred payments to Canal Fund | 27,532 85 |
| Commissioners on tax and assessment laws of the State | 9,000 00 |
| Miscellaneous expenditures | 58,774 13 |
| | $10,505,799 28 |
| Transferred to the Bounty Debt Sinking Fund, proceeds of 2⅓ mill tax levied in 1870 | 4,096,279 97 |
| | $14,602,079 25 |

TAX SALE.

It was stated in the last annual report that preparations were being made for a State tax-sale. Such preparations were completed, and a sale of lands returned for non-payment of taxes to this office from 1861 to 1865, both years inclusive, took place at the Capitol commencing September 12th and ending September 23d last. The number of parcels sold was 14,559; amount of purchases by individuals, $361,994.42; amount of purchases by the State, under the statute, $68,603.59.

Of the amount of purchases by individuals, the sum of $166,584.75, and upwards, has already been paid into the treasury, and the balance is being paid in from day to day. The proceeds of this sale go into the General Fund.

TAXES.

| | |
|---|---|
| In 1860 the State tax was | $5,440,640 49 |
| In 1870 the State tax was | 14,285,976 55 |
| In 1860 the tax for all purposes known to this office was | 18,956,024 50 |
| In 1871 the tax for all purposes known to this office was | 45,674,486 92 |

| | |
|---|---|
| The gross valuation of taxable property in 1860 was | $1,419,297,520 00 |
| The gross valuation in 1870 was | 1,967,001,185 00 |
| Increase in ten years | $547,703,665 00 |

The gross valuation in 1871 was $2,052,537,898; increase over 1870, $85,536,713.

The State tax for the current fiscal year is $5\frac{79}{120}$ mills, for the purposes and made up as follows:

| | | |
|---|---|---|
| For schools | $1\frac{1}{4}$ | mills. |
| For general purposes | $1\frac{3}{8}$ | " |
| For bounty debt | 2 | " |
| For new Capitol | $\frac{3}{8}$ | " |
| For Canal Floating Debt, under chapter 271, Laws of 1859 | $\frac{1}{8}$ | " |
| For new work and extra repairs | $\frac{1}{8}$ | " |
| For Champlain canal (enlargement) | $\frac{1}{5}$ | " |
| Total | $5\frac{79}{120}$ | mills. |

By section 3, chapter 406, Laws of 1867, it was provided that there should be raised by tax in the then "present and each succeeding year, upon the real and personal estate of each county within the State, one mill and one-fourth of a mill upon each and every dollar

of the equalized valuation of such estate, for the support of common schools in the State." Under this act the sum realized, by a tax of $1\frac{1}{4}$ mills on the then valuation, for the fiscal year ending September 30, 1868, was $2,080,134.65. The same rate of taxation will yield for the next fiscal year, assuming the same increase of valuation as the present year shows over the last, the sum of $2,672,593.26; while a tax of one mill will yield $2,138,074.61, an amount considerably larger than was raised by $1\frac{1}{4}$ mills on the valuation of 1868.

The customary supply for the General Fund, produced by a tax of $1\frac{1}{4}$ mills, will be necessary for the next fiscal year, while a tax of two mills will be required to make good its deficiency at the end of the current fiscal year.

A tax of $\frac{1}{8}$ of a mill will satisfy chapter 271, Laws of 1859 (Canal Floating Debt).

Exclusive of extraordinary work on the canals and work on the new Capitol, the Comptroller is of opinion that the deficiency in the General Fund can be made good and the calls upon the treasury met, if appropriations are kept within reasonable limits, by a tax of $6\frac{5}{8}$ mills, made up as follows:

| | |
|---|---|
| For General Fund | $1\frac{1}{4}$ mills. |
| For General Fund deficiency | 2 " |
| For schools | $1\frac{1}{4}$ " |
| For Bounty Loan | 2 " |
| For Floating Canal Debt, chapter 271, Laws of 1859 | $\frac{1}{8}$ " |
| Total | $6\frac{5}{8}$ mills. |

## CLERKS.

The Comptroller, in closing this annual report, takes pleasure in placing on record an acknowledgment of his obligations to the clerks in the department, for their great assistance in its administration, and in testifying to their intelligence, fidelity and industry in the discharge of the duties of their respective positions. These duties, always arduous, have been greatly enhanced during the last fiscal year, by a tax sale. While the increased labor incident to it was mainly performed by those specially employed in the tax department, yet its presence was felt throughout the office, and added perceptibly to the labors of all. This augmented demand upon their energies was promptly and cheerfully met, and entitles them, one and all, to official commendation, which is here cordially given.

Mr. Philip Phelps, though incapacitated by sickness and growing infirmities from performing the duties which attach to the office of

deputy comptroller, in consideration of his meritorious and protracted services in the past, still retains the position, with its rank and emoluments. His inability to perform its duties makes it necessary, however, for the Comptroller to ask that temporary provision be made for the employment of a "chief clerk and auditor," who may also act as second deputy, with the powers of deputy comptroller.

Respectfully submitted.

ASHER P. NICHOLS,
*Comptroller.*

# APPENDIX.

# SCHEDULES REFERRED TO IN THE ANNUAL REPORT OF THE COMPTROLLER.

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Schedule I shows the moneys received into the treasury during the year ending 30th September, 1871.

Schedule II shows the amount of warrants drawn on the treasury during the same year.

Schedule III shows the condition of the School Fund on the 30th September, 1871.

Schedule IV shows the increase and diminution of the capital of the School Fund during the year ending 30th September, 1871.

Schedule V shows the condition of the Literature Fund on the 30th September, 1871.

Schedule VI shows the condition of the U. S. Deposit Fund on the 30th September, 1871, and the premises bid in under foreclosure of mortgage remaining unsold on the 30th September, 1871.

Schedule VII shows the condition of the Long Island Railroad Company Sinking Fund, and the Mariners', Soldiers' Allotment, College Land Scrip and Cornell Endowment Funds, on the 30th September, 1871.

Schedule VIII shows the condition of the Bounty Debt Sinking Fund, Elmira Female College Educational Fund, and Trust Fund for the payment of bounties.

Schedule IX shows the receipts and payments on account of the Metropolitan Board of Health and Military Record Funds, during the fiscal year ending the 30th September, 1871, and the amount of annuities payable to the several Indian tribes.

Schedule X gives the particulars of the General Fund and Contingent State Debts.

Schedule XI is an estimate of the receipts and payments for ordinary expenses of government and other purposes, for the fiscal year commencing October 1st, 1871.

Schedule XII shows the amount of the six and one-seventy-eighth mill tax, levied in 1870, on the valuation of the real and personal estate in each county, the expenses of collection, and the amount payable into the treasury; also the amount of unpaid taxes returned to the Comptroller's office.

Schedule XIII gives the names of the clerks in the public offices (except the Canal, Banking and Insurance Departments), the amounts paid to each during the year, and their present salaries.

Schedule XIV is an estimate of the appropriations required for the expenses of government for the fiscal year commencing on the 1st October, 1872.

Schedule XV shows the amount of duties paid by the several auctioneers of this State during the year ending 30th September, 1871.

Schedule XVI is the report made to the Comptroller by the Superintendent of the Onondaga Salt Springs.

Schedule XVII gives the cost of stationery delivered to the public offices during the year.

Schedule XVIII shows the amount of town, county, school and State taxes, and the rate of taxation, with the aggregate equalized valuations of real and personal estate in the several counties, upon the returns of 1870.

Schedule XIX shows the valuations of real and personal estate in the several counties, as returned to the Comptroller's office for the year 1871.

Schedule XX shows the aggregate valuations of real and personal property, the State and local taxes, and the rate per cent for each year from 1845 to 1871, inclusive.

Schedule XXI shows the rate of State tax on each dollar of the aggregate valuations of property, from 1816 to 1871, both inclusive.

Schedule XXII shows the stocks purchased on account of the Bounty Debt Sinking Fund, during the year ending 30th September, 1871.

Schedule XXIII gives the receipts and payments on account of the canals, during the year ending September 30th, 1871, also a description of the stocks comprising the Canal Debt.

Schedule XXIV shows the amount paid from the treasury for various items of expenditure in each fiscal year for five years, from 1867 to 1871, both inclusive.

Schedule XXV is an abstract of reports from orphan asylums, hospitals, dispensaries, etc., as to their financial condition and operations, for the fiscal year ending 30th September, 1871.

Schedule XXVI is a report of Ezra Cornell in respect to College Land Scrip.

Schedule XXVII shows the expenditures on account of the new Capitol, classified from the abstracts of the commissioners to the Comptroller, from the commencement of the work in December, 1867, to September 30th, 1871.

## ( I. )

### SCHEDULE

*Of Moneys received into the Treasury during the year ending September 30th, 1871.*

ON ACCOUNT OF GENERAL FUND.

| | | | |
|---|---|---|---|
| *Permanent Revenue, viz. :* | | | |
| Auction duty | | $100,196 88 | |
| Salt duty | | 84,731 04 | |
| Fees of Secretary of State's office | | 7,126 13 | |
| Fees of Comptroller's office | | 300 96 | |
| Fees of clerk of court of appeals' office | | 1,102 00 | |
| Peddlers' licenses | | 860 00 | |
| | | | $194,317 01 |
| *Temporary Revenue, viz. :* | | | |
| Interest on bonds of the corporation of New York city | | $18,000 00 | |
| Sales of Natural History of New York | | 3,380 45 | |
| Sales of lands | | 17,891 62 | |
| Tolls of Cayuga Lake inlet | | 109 77 | |
| | | | 39,381 84 |
| State tax, exclusive of one and one-fourth mill tax for common schools (for amount of tax levied in 1870, see Schedule XII) | | | 9,590,199 44 |
| *State Prison Earnings, viz. :* | | | |
| Auburn | | $129,220 31 | |
| Clinton | | 175,384 54 | |
| Sing Sing | | 131,547 85 | |
| | | | 436,152 70 |
| *National Guard of New York, Militiary Fund, viz. :* | | | |
| Amount paid by county treasurers for fines | | | 1,344 35 |
| *Expenses of Public Lands, viz. :* | | | |
| For expenses of committees from the Commissioners of the Land Office to examine lands under water, etc., paid by sundry persons | | | 2,263 80 |
| *Judicial District Tax.* | | | |
| Amount paid into the treasury pursuant to chapter 765, Laws of 1868 | | | 5,742 35 |
| *Westchester County Bonds, viz. :* | | | |
| Principal | | $150,000 00 | |
| Interest | | 14,354 47 | |
| | | | 164,354 47 |
| *Miscellaneous, viz. :* | | | |
| Paid by Comptroller for sale of stationery | | $122 48 | |
| for old seal sold | | 3 00 | |
| for old safe sold | | 16 00 | |
| Amount in National Commercial Bank of Albany, standing to the credit of Robert Dennison, Comptroller, with interest thereon | $4,315 55 | | |
| Carried forward | $4,315 55 | $141 48 | $10,433,755 96 |

| | | | |
|---|---|---|---|
| Brought forward | $4,315 55 | $141 48 | $10,433,755 96 |
| Amount to credit of Sandford E. Church, Comptroller, and interest | 167 15 | 4,482 70 | |
| C. W. Armstrong, clerk of the Assembly, unexpended balance | | 551 60 | |
| Spuyten Duyvil and Port Morris Railroad Company, for grant of land by Commissioners of the Land Office, | | 500 00 | |
| Angel Matthewson, being amount overpaid to him as assignee of clerk of special committee of the Assembly on State prisons, May 4th, 1870 | | 90 00 | |
| G. S. Batchellor, late Inspector-General, being advances made to Col. L. P. Smith, late acting assistant Inspector-General, for contingent expenses | | 2,500 00 | |
| Dr. J. P. Gray, amount overpaid for expenses of committee to locate an asylum for the insane in western New York | | 58 46 | |
| Amount erroneously drawn from the treasury for services of E. O'Connor, in the State Engineer and Surveyor's office | | 200 00 | |
| Joseph W. Russell, attorney, being tax payment which had been erroneously refunded, and interest | | 24 59 | |
| | | | 8,548 83 |

MONEYS RECEIVED ON ACCOUNT OF PREVIOUS ADVANCES OR TO BE REPAID FROM THE TREASURY.

| | | |
|---|---|---|
| *Temporary Loan.* | | |
| Proceeds of temporary loan in anticipation of the State tax | | 500,000 00 |
| *Public Administrators, viz.:* | | |
| From Henry J. Hardenburgh, on account of the estate of Timothy Mulcahy, deceased | $847 82 | |
| From Charles A. Roe, treasurer of Queens county, on account of the estate of Diedrich Schmonses, deceased | 1,333 66 | |
| And on account of the estate of Patrick Moran, deceased | 606 49 | |
| | | 2,787 97 |
| *Non-resident Taxes, viz.:* | | |
| Arrears | $100,927 03 | |
| Interest | 36,251 13 | |
| Redemption of lands | 2,928 87 | |
| Advertising tax sale | 6,683 43 | |
| Sale of lands | 51,624 45 | |
| | | 198,414 91 |
| *Banking Department, viz.:* | | |
| For expenses | | 19,072 60 |
| *Insurance Department, viz.:* | | |
| Fees | | 85,939 88 |
| *Railroad Companies, viz.:* | | |
| For salary of deputy State Engineer and Surveyor, clerk hire and printing report | | 15,961 09 |
| Carried forward | | $11,264,481 24 |

| | | |
|---|---|---|
| Brought forward | | $11,264,481 24 |
| *Gas-light Companies, viz.:* | | |
| For salary and expenses of inspector of gasmeters | | 2,224 97 |
| *Treasury Deposits, viz.:* | | |
| For interest on the deposits of the Treasurer | | 20,122 13 |
| Total receipts on account of the General Fund | | $11,286,828 34 |
| ON ACCOUNT OF THE BOUNTY DEBT SINKING FUND. | | |
| Interest on State stocks | $37,522 20 | |
| Interest on United States stocks | 671 62 | |
| | | 38,193 82 |
| ON ACCOUNT OF THE SCHOOL FUND. | | |
| *Capital, viz.:* | | |
| Principal of bonds for lands | $14,544 85 | |
| Principal of bonds for loans | 32,637 39 | |
| Principal of Oswego city bonds | 8,600 00 | |
| Sale of lands | 4,436 58 | |
| | | 60,218 82 |
| *Revenue, viz.:* | | |
| Interest on bonds for lands | $11,701 25 | |
| Interest on bonds for loans | 11,847 23 | |
| Interest on State stocks | 67,903 27 | |
| Interest on Comptroller's bonds | 2,160 00 | |
| Interest on loan of 1840 | 3,167 37 | |
| Interest on Oswego city bonds | 3,598 00 | |
| Rent of lands | 13 50 | |
| Dividends on Manhattan Company stock | 5,000 00 | |
| | | 105,390 62 |
| ON ACCOUNT OF THE LITERATURE FUND. | | |
| *Revenue, viz.:* | | |
| Interest on State stock | $14,715 32 | |
| Interest on Comptroller's bonds | 1,266 54 | |
| Dividends on stock of the Albany Insurance Company, | 400 00 | |
| | | 16,381 86 |
| ON ACCOUNT OF THE UNITED STATES DEPOSIT FUND. | | |
| *Capital, viz.:* | | |
| Principal of mortgages for loans | | 31,986 11 |
| *Revenue, viz.:* | | |
| Interest on mortgages | $224,788 94 | |
| Interest on State stocks | 26,829 36 | |
| Rent of land | 180 00 | |
| | | 251,798 30 |
| ON ACCOUNT OF THE LONG ISLAND RAILROAD COMPANY SINKING FUND, VIZ.: | | |
| Interest on investments | $1,247 27 | |
| Contributions | 3,700 00 | |
| | | 4,947 27 |
| Carried forward | | $11,795,745 14 |

| | | |
|---|---|---|
| Brought forward | | $11,795,745 14 |
| ON ACCOUNT OF THE COLLEGE LAND SCRIP FUND. | | |
| *Capital, viz.:* | | |
| Sales of land | | 20,832 00 |
| *Revenue, viz.:* | | |
| Interest on investments and deposits | | 21,997 70 |
| ON ACCOUNT OF THE CORNELL ENDOWMENT FUND. | | |
| *Capital, viz.:* | | |
| Sale of land | | 9,027 20 |
| *Revenue, viz.:* | | |
| Interest on investments and deposits | | 7,920 95 |
| ON ACCOUNT OF THE MILITARY RECORD FUND. | | |
| *Capital, viz.:* | | |
| Amount transferred to this fund pursuant to chapter 281, Laws of 1870 | $6,274 16 | |
| *Revenue, viz.:* | | |
| Interests on investments and deposits | 2,836 81 | |
| | | 9,110 97 |
| ON ACCOUNT OF THE ELMIRA FEMALE COLLEGE EDUCATIONAL FUND, VIZ.: | | |
| Interest on investments | | 3,371 84 |
| | | $11,868,005 80 |

## ( II. )

### SCHEDULE

*Of Warrants drawn on the Treasury during the year ending September 30th, 1871.*

ON ACCOUNT OF THE GENERAL FUND.

*Executive Department, viz:*

| | | | |
|---|---|---|---|
| Governor, for salary | | $4,000 00 | |
| Private secretary to the Governor, for salary | $2,000 00 | | |
| Additional compensation by the Legislature | 1,216 65 | | |
| | | 3,216 65 | |
| Compensation of clerks and messenger in the executive department | | 7,964 76 | |
| For the expenses of repairing, fitting and furnishing the house occupied by the Governor | | 3,087 14 | |
| Incidental expenses of the government | | 2,853 61 | |
| Apprehension of criminals | | 513 50 | |
| | | | $21,635 66 |

*Court of Appeals, viz.:*

| | | | |
|---|---|---|---|
| Judges of the court, for salaries | $49,292 08 | | |
| Allowance for expenses | 13,393 02 | | |
| | | $62,685 10 | |
| State reporter, for salary, including increased compensation | | 3,750 00 | |
| Clerk of the court, for salary, including increased compensation | | 5,229 62 | |
| Deputy clerk of the court, for salary | $1,958 32 | | |
| Additional compensation by the Legislature | 1,050 00 | | |
| | | 3,008 32 | |
| Compensation of clerks in the office of the clerk of the court | | 4,725 00 | |
| Compensation of the crier and attendants of the court, including additional compensation | | 5,296 00 | |
| Books for library of court, at Rochester | | 3,486 23 | |
| Expenses of the office of the clerk of the court | | 1,840 40 | |
| | | | 90,020 67 |

*Commission of Appeals, viz.:*

| | | | |
|---|---|---|---|
| Commissioners, for salaries | $34,714 65 | | |
| per diem allowance | 890 00 | | |
| | | $35,604 65 | |
| Clerk of the commission, for salary, including extra compensation | | 2,677 45 | |
| Clerk hire | | 760 00 | |
| Compensation of crier and attendants | | 1,014 00 | |
| Compensation of messenger | | 173 33 | |
| Expenses | | 504 22 | |
| | | | 40,733 65 |
| Carried forward | | | $152,389 98 |

| | | | |
|---|---|---|---|
| Brought forward | | | $152,389 98 |
| *Supreme Court, viz.:* | | | |
| Justices of the supreme court: | | | |
| First district, salaries | | $30,000 00 | |
| Second district, salaries | $29,000 00 | | |
| per diem allowance | 1,595 00 | | |
| | | 30,595 00 | |
| Third district, salaries | $24,000 00 | | |
| per diem allowance | 1,425 00 | | |
| | | 25,425 00 | |
| Fourth district, salaries | $24,000 00 | | |
| per diem allowance | 1,370 00 | | |
| | | 25,370 00 | |
| Fifth district, salaries | $24,000 00 | | |
| per diem allowance | 2,680 00 | | |
| | | 26,680 00 | |
| Sixth district, salaries | $24,000 00 | | |
| per diem allowance | 1,795 00 | | |
| | | 25,795 00 | |
| Seventh district, salaries | $24,000 00 | | |
| per diem allowance | 3,030 00 | | |
| | | 27,030 00 | |
| Eighth district, salaries | $24,000 00 | | |
| per diem allowance | 2,505 00 | | |
| | | 26,505 00 | |
| | | $217,400 00 | |
| Stenographers of the supreme court, second district | | 2,700 00 | |
| eighth district | | 1,000 00 | |
| Law library, second judicial district | $1,000 00 | | |
| fourth judicial district | 1,000 00 | | |
| fifth judicial district | 2,000 00 | | |
| eighth judicial district | 2,000 00 | | |
| | | 6,000 00 | |
| Expenses of general terms of supreme court | | 2,679 75 | |
| | | | 229,779 75 |
| *Attorney-General's Office, viz.:* | | | |
| Attorney-General, for salary | | $2,000 00 | |
| Deputy Attorney-General, for salary | $2,000 00 | | |
| Additional compensation by the Legislature | 1,300 00 | | |
| | | 3,300 00 | |
| Compensation of the clerk and messenger | | 1,890 00 | |
| Expenses of the office | | 957 06 | |
| Attorney-General's library | | 1,745 50 | |
| Costs of suits and counsel fees | $5,481 47 | | |
| Expenses of George W. Wilson, incurred by him in consequence of proceedings to take a part of Coney Island for quarantine purposes | 3,000 00 | | |
| Costs of sundry suits commenced by the district attorney of the county of New York in the name of the people, in which judgments were rendered for the defendants | 54,497 84 | | |
| | | 62,979 31 | |
| | | | 72,871 87 |
| Carried forward | | | $455,041 60 |

| | | | |
|---|---|---|---|
| Brought forward | | | $455,041 60 |
| *Secretary of State's Office, viz.:* | | | |
| Secretary of State, for salary | | $2,500 00 | |
| Deputy Secretary of State, for salary | $2,000 00 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | 2,300 00 | |
| Compensation of clerks, archivist and messenger | | 17,386 97 | |
| Expenses of the office | | 1,858 93 | |
| | | | 24,045 90 |
| *Comptroller's Office, viz.:* | | | |
| Comptroller, for salary | | $2,500 00 | |
| Deputy Comptroller, for salary | $2,000 00 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | 2,300 00 | |
| Second deputy Comptroller, for salary | $2,000 00 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | 2,300 00 | |
| Accountant and transfer office, for salary | $1,983 32 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | 2,283 32 | |
| Compensation of clerks and messenger in the office | | 25,259 64 | |
| Expenses of the office | | 2,506 53 | |
| | | | 37,149 49 |
| *Treasurer's Office, viz.:* | | | |
| Treasurer, for salary (exclusive of $1,000 compensation from bank department) | | $1,500 00 | |
| Deputy Treasurer, for salary | $2,000 00 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | 2,300 00 | |
| Compensation of clerks in the office | | 6,082 50 | |
| Expenses of the office | | 2,229 03 | |
| | | | 12,111 53 |
| *Department of Public Instruction, viz.:* | | | |
| Superintendent of Public Instruction, for salary | $2,500 00 | | |
| Additional compensation by the Legislature, | 2,500 00 | | |
| | | $5,000 00 | |
| Deputy Superintendent of Public Instruction, for salary | $1,500 00 | | |
| Additional compensation by the Legislature, | 1,525 00 | | |
| | | 3,025 00 | |
| Compensation of clerks in the office | | 8,814 89 | |
| Expenses of the office | | 1,696 60 | |
| | | | 18,536 49 |
| *State Engineer and Surveyor's Office, viz.:* | | | |
| Compensation of clerks in the office | | $3,847 50 | |
| Expenses of the office | | 695 91 | |
| | | | 4,543 41 |
| *State Assessors, viz.:* | | | |
| For compensation | | | 3,102 78 |
| *Commissioners of Public Accounts, viz.:* | | | |
| For compensation and mileage | | | 4,500 00 |
| Carried forward | | | $559,031 20 |

| | | |
|---|---|---|
| Brought forward | | $559,031 20 |
| *Weights and Measures, viz.:* | | |
| Superintendent, for salary | | 300 00 |
| *Auctioneer's Accounts, viz.:* | | |
| Compensation and expenses of agent to examine auctioneer's accounts, | | 835 50 |
| *Land Office, viz.:* | | |
| Lieutenant-Governor, for services and traveling fees as Commissioner of the Land Office and member of the Water Grant Committee | $1,785 60 | |
| W. H. Bristol and Van R. Rtchmond, for expenses incurred in investigating the affairs of the New York State Inebriate Asylum | 103 32 | |
| Van R. Richmond, part payment of his expenses as a Commissioner of the Land Office and member of the Water Grant Committee | 321 50 | |
| Wm. Hitchman, speaker of the Assembly, for traveling fees and attendance upon sundry meetings of the commissioners | 72 00 | |
| D. Willers, Jr., deputy Secretary of State, for services as clerk of the Commissioners of the Land Office | 500 00 | |
| H. E. Sickles, services and expenses in suits instituted to remove encumbrances from State lands | 630 00 | |
| D. Richmond and R. Griffin, Jr., for surveys and maps of salt lands in the city of Syracuse | 299 75 | |
| Geo. Geddes and H. S. Randall, for appraising lands in the city of Syracuse | 174 66 | |
| John Smith, for paving in Eagle, Pine and Steuben streets, front of State Hall lot | 432 78 | |
| J. Ryan, for repairing paving on State street, front of Geological Hall | 130 07 | |
| P. Allanson, for carpenter work done in and about the State Normal School building | 310 32 | |
| Argus Company, for advertising sale of armory lot in Newburgh, and sale and postponement of sale of lands, | 135 73 | |
| Recording deed to the people, in Onondaga county | 1 44 | |
| | | 4,897 17 |
| *Public Offices, Postage on Letters, viz.:* | | |
| Governor | $506 42 | |
| Comptroller | 984 05 | |
| Secretary of State | 1,028 07 | |
| Treasurer | 420 32 | |
| Attorney-General | 84 71 | |
| State Engineer and Surveyor | 222 05 | |
| Superintendent of Public Instruction | 491 96 | |
| Adjutant-General | 584 06 | |
| Clerk of the Court of Appeals | 721 13 | |
| Commission of Appeals | 254 00 | |
| | | 5,296 77 |
| Carried forward | | $570,360 64 |

| | | | |
|---|---|---|---|
| Brought forward | | | $570,360 64 |
| Stationery for the public offices | | | 3,958 46 |
| Fuel for the Capitol, State Hall and State Library | | | 3,761 48 |
| Transportation of the journals and documents of the Legislature, reports, books and packages for the public offices, including cost of boxes | | | 2,817 54 |
| *Capitol, viz.:* | | | |
| Repairs, improvements, labor, cleaning, gas and other miscellaneous expenses | | $18,615 51 | |
| Superintendent, for salary | $900 00 | | |
| Additional compensation by the Legislature, | 915 00 | | |
| | | 1,815 00 | |
| | | | 20,430 51 |
| *New Capitol, viz.:* | | | |
| Advances to commissioners | | $465,000 00 | |
| Expenses of commissioners | | 1,092 37 | |
| Accrued interest on awards for lands | | 600 00 | |
| Interest paid Manhattan Company on Comptroller's bonds issued per Revised Statutes, in anticipation of the State tax | | 16,250 00 | |
| | | | 482,942 37 |
| *State Hall, viz.:* | | | |
| Repairs, cleaning, water, gas, labor and other miscellaneous expenses | | $10,558 29 | |
| Compensation of superintendent | $866 72 | | |
| Additional compensation by the Legislature, | 615 00 | | |
| | | 1,481 72 | |
| | | | 12,040 01 |
| *State Library, viz.:* | | | |
| Librarians, for salaries | $4,412 50 | | |
| Additional compensation by the Legislature, | 1,757 50 | | |
| | | $6,170 00 | |
| For purchase of books | $3,767 93 | | |
| For binding, lettering, etc. | 1,889 72 | | |
| | | 5,657 65 | |
| Janitor, for salary | $700 00 | | |
| Additional compensation by the Legislature, | 445 00 | | |
| | | 1,145 00 | |
| Gas | | 789 72 | |
| Repairs, cleaning and other contingent expenses | | 1,321 77 | |
| | | | 15,084 14 |
| *Regents of the University, viz.:* | | | |
| Secretary, for salary | $2,000 00 | | |
| Additional compensation by the Legislature, | 300 00 | | |
| | | $2,300 00 | |
| Assistant secretary, for salary | $1,000 00 | | |
| Additional compensation by the Legislature, | 350 00 | | |
| | | 1,350 00 | |
| For 280 copies of report of the committee of the University Convocation of 1870 | | 300 00 | |
| Contingent expenses | | 2,157 53 | |
| | | | 6,107 53 |
| Carried forward | | | $1,117,502 68 |

| | | | |
|---|---|---|---|
| Brought forward | | | $1,117,502 68 |
| *The New York State Museum of Natural History, viz.:* | | | |
| Director, for salary | $3,416 66 | | |
| Additional compensation by the Legislature, | 525 00 | | |
| | | $3,941 66 | |
| Botanist, for salary from May 1, 1870, to Aug. 31, 1871, | | 2,000 00 | |
| Traveling and incidental expenses of botanist | | 126 75 | |
| Compensation of taxidermist | | 750 00 | |
| For salaries of assistants, and for the general increase and preservation of the Cabinet of Natural History. | | 5,675 85 | |
| For printing report, blanks and tables for 1869–70 | | 508 15 | |
| For carpets, oil-cloths, chairs and repair of cases | | 395 13 | |
| Superintendent of hall for State cabinet, for salary | $1,000 02 | | |
| Additional compensation by the Legislature, | 850 00 | | |
| | | 1,850 02 | |
| Iron shutters, plastering, and repairs of hall | | 886 64 | |
| Coal | | 523 13 | |
| Gas | | 575 62 | |
| Cleaning, labor and other miscellaneous expenses | | 3,739 90 | |
| | | | 20,972 85 |
| *Natural History of the State of New York, viz.:* | | | |
| James Hall, for drawings | | $3,141 39 | |
| S. B. Woolworth, for services in compiling and publishing the natural history of the State from 1856 to April, 1871 | | 1,500 00 | |
| For working-rooms, fuel, gas and other expenses incurred in preparation of the palaeontology of New York, and for distribution of duplicate fossils, to January 1st, 1871 | | 1,000 00 | |
| | | | 5,641 39 |
| *Legislature, viz.:* | | | |
| Compensation of members and officers | | $167,779 00 | |
| Advances for contingent expenses to the Clerk of the Assembly | $16,500 00 | | |
| To the Clerk of the Senate | 6,500 00 | | |
| | | 23,000 00 | |
| Committees, for clerks and expenses | | 47,225 49 | |
| Compensation of witnesses for attending before committees | | 2,443 85 | |
| Postage | | 8,674 97 | |
| Pay of chaplains | | 600 00 | |
| Manual, Legislative | | 25,559 10 | |
| Manual, Clerk's and Croswell's, 1,700 copies | | 3,400 00 | |
| Civil List, 1870 | | 5,000 00 | |
| Hiram Calkins, indexing journals, bills, etc., of Senate, 1870 | | 500 00 | |
| Hiram Calkins, preparing general index of Session Laws for last five years | | 2,700 00 | |
| Carried forward | | $286,882 41 | $1,144,116 92 |

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|---|---|---|
| Brought forward | $286,882 41 | $1,144,116 92 |
| Hiram Calkins, for preparing concentrated digest of claims | 1,500 00 | |
| Hiram Calkins, for arranging and indexing papers on file in the Senate | 1,200 00 | |
| Hiram Calkins, for preparing classified index of bills introduced in 1870 and 1871 | 750 00 | |
| Hiram Calkins, for indexing journals, bills, etc., of Senate, 1871 | 1,000 00 | |
| Hiram Calkins, for refitting Senate chamber and committee rooms | 3,916 12 | |
| Hiram Calkins, for books furnished Senate library | 93 00 | |
| Clerk of the Senate, extra compensation | 800 00 | |
| Clerk of the Senate, extra for engrossing | 700 00 | |
| Clerk of the Senate, as clerk of sub-committee of the whole | 300 00 | |
| C. W. Armstrong, indexing journals, bills, etc., of the Assembly, 1870 | 500 00 | |
| C. W. Armstrong, arranging files of the Assembly | 600 00 | |
| C. W. Armstrong, sorting and labeling papers relating to bills passed | 600 00 | |
| C. W. Armstrong, preparing index of bills introduced, | 750 00 | |
| C. W. Armstrong, preparing classified index of bills, 1860 to 1870 | 2,000 00 | |
| C. W. Armstrong, preparing continuation of digest of claims | 1,500 00 | |
| C. W. Armstrong, arranging alphabetically all petitions and bills introduced during the last five years which were not passed into laws | 1,200 00 | |
| Clerk of the Assembly, extra compensation | 800 00 | |
| Clerk of the Assembly, for extra clerical services | 1,500 00 | |
| Clerk of the Assembly, as clerk of sub-committee of the whole | 300 00 | |
| Jennie Stanton, for transcribing notes of stenographers of the Assembly | 350 00 | |
| A. J. Meyer, preparing statistical list of the Senate | 25 00 | |
| James C. Hewston, for reading proof of journals of 1870 and 1871, and for other clerical services | 300 00 | |
| James C. Hewston, for preparing statistical list of the Assembly | 30 00 | |
| M. A. Dowd, services as stenographer in transcribing notes and debates in Senate and Assembly | 525 00 | |
| W. H. Lee, for reading proof of journal of Assembly for 1870 and 1871, and other services | 300 00 | |
| Thomas Driffil, for extra services, per chapter 492, Laws of 1870, re-appropriated | 284 75 | |
| John P. Mulligan, for services rendered in 1871 | 250 00 | |
| Robert D. Evans, for services in summer of 1870, overseeing work done in Senate chamber | 250 00 | |
| Carried forward | $309,206 28 | $1,144,116 92 |

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|---|---|---|---|
| Brought forward | | $309,206 28 | $1,144,116 92 |
| Isaac D. Coleman, for survey, maps and plans, and attendance before committee of the Senate to investigate the New Hamburgh disaster | | 1,000 00 | |
| William V. Smith, for like services | | 450 00 | |
| Charles E. Leland, for board of witnesses and others during the investigation of the New Hamburgh disaster | | 156 50 | |
| G. Graham, sergeant-at-arms of the Senate, fees and traveling expenses when subpœnaing witnesses, and for attendance upon committees | | 394 00 | |
| J. G. Rhoades, sergeant-at-arms of the Assembly, fees and traveling expenses when subpœnaing witnesses, and for attendance upon committees | | 994 50 | |
| Adam W. Smith, for carriages furnished sergeant-at-arms of the Assembly | | 100 00 | |
| Isaac Rosepaugh, for carting document mails | | 150 00 | |
| W. B. Taylor, engineer, services and witness fees in examining into the uses of the State canals by committee of the Assembly in 1869 | | 73 00 | |
| E. D. Lawrence, for expense of defending his seat in the Assembly, 1870 | | 750 00 | |
| E. N. Thomas, on account of expense of contesting seat of A. S. Wood, in Assembly, 1870 | | 150 00 | |
| Thomas E. Stewart, for disbursements in contested election case in 7th Assembly district, New York | | 1,000 00 | |
| Eugene Darwin, disbursements and counsel fees in same case | | 1,000 00 | |
| W. D. Murphy, actual expenses and balance of counsel fees in defending his seat in Assembly, in 1870 | | 446 75 | |
| Stephen Springstead, expense of contesting seat of W. D. Murphy | | 331 95 | |
| Argus Company, printing in contested election case of Springstead v. Murphy | | 12 00 | |
| Argus Company, for printing ordered by the Legislature, viz.: 5,000 copies of report Indian affairs | $581 00 | | |
| 700 copies of report of savings banks relative to unclaimed deposits | 618 50 | | |
| 800 copies of catalogue of petitions and papers on files of Assembly | 701 20 | | |
| 800 copies of classified index of bills introduced in Assembly | 795 84 | | |
| 500 copies of index to Assembly bills on file | 2,590 07 | | |
| 500 copies of Senate digest of claims | 763 35 | | |
| 500 copies of classified index of bills introduced in Senate | 372 45 | | |
| 500 copies of catalogue of petitions and papers on files of Senate | 453 17 | | |
| Carried forward | $6,875 58 | $316,214 98 | $1,144,116 92 |

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|---|---|---|---|
| Brought forward | $6,875 58 | $316,214 98 | $1,144,116 92 |
| 500 copies of index of laws | 2,693 01 | | |
| 1,180 copies of report and testimony relating to New Hamburgh railroad disaster | 985 00 | | |
| 2,000 copies each of vols. 1 and 2, Adjutant-General's report | 8,160 00 | | |
| | | 18,713 59 | |
| Weed, Parsons & Co., for printing and binding Regent's manual | | 1,215 00 | |
| Weed, Parsons & Co., printing for State commission on prison labor | | 795 80 | |
| Charles Van Benthuysen & Son, for printing ordered by the Assembly | | 43,463 46 | |
| John D. Parsons, Jr., on account of supervisors' manuals, and assessors' collectors' and town clerk's manuals | | 15,500 00 | |
| Murray & Goodwin, for lithographing, engraving and printing for the Assembly | | 2,225 00 | |
| *Services, expenses and disbursements of prison labor commission, viz.:* | | | |
| E. C. Wines | $1,925 06 | | |
| M. S. Myers | 1,347 46 | | |
| Thomas Fencer | 1,400 50 | | |
| | | 4,673 02 | |
| Paper holders and repairs in Senate chamber | | 90 48 | |
| Repairing in Assembly chamber | | 936 84 | |
| Repairing post-office and sergeant-at-arms rooms | | 352 48 | |
| Building committee rooms | | 850 25 | |
| Heating and ventilating Senate chamber and repairing ceiling of library and cloak room | | 4,115 00 | |
| Plumbing and materials furnished Assembly chamber. | | 609 85 | |
| Heating apparatus, gas fixtures, etc., for Assembly chamber | | 135 30 | |
| Painting, graining and varnishing, in Senate chamber, | | 1,002 82 | |
| Painting, glazing, etc., in Assembly chamber and committee rooms | | 622 75 | |
| Carpeting and upholstering in Senate chamber and library | | 2,528 27 | |
| Carpeting and oil-cloth in engrossing and committee rooms of the Assembly | | 401 54 | |
| Stamps, dies, etc., for Assembly post-master | | 37 50 | |
| Furniture and repairs of furniture for Assembly chamber and committee rooms | | 504 00 | |
| Locks and keys, and repairing locks for Assembly rooms, | | 140 61 | |
| *Transportation of packages for the Legislature, viz.:* | | | |
| American Union Express Company | $5,060 60 | | |
| National Express Company | 1,969 37 | | |
| Delaware and Hudson Canal Express Co. | 256 40 | | |
| Carried forward | $7,286 37 | $415,128 54 | $1,144,116 92 |

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|---|---|---|---|
| Brought forward | $7,286 37 | $415,128 54 | $1,144,116 92 |
| Albany and New York Express Company | 5 25 | | |
| Northern Express Company | 35 85 | | |
| | | 7,327 37 | |
| | | | 422,456 01 |
| *Printing for the State, viz.:* | | | |
| Legislative | | $136,532 26 | |
| Publishing official canvass | | 24,661 25 | |
| Publishing official notices | | 1,287 50 | |
| Printing and binding Session Laws of 1870 | | 4,213 80 | |
| Binding legislative documents | | 1,866 44 | |
| Printing slips of Session Laws of 1870 | | 1,125 52 | |
| Argus Co., for publishing Session Laws of 1870 | | 7,554 75 | |
| Printing and binding 1,000 copies of Auditor's financial report of 1870 for Canal Department | | 869 59 | |
| Printing and binding 13,795 copies School Register | | 13,795 00 | |
| Publishing general orders of Adjutant-General | | 915 85 | |
| Publishing rules of practice adopted by convention of judges and justices | | 126 00 | |
| Publishing majority and minority reports of the judiciary committee on drafted men | | 7,800 00 | |
| Printing and binding 3,200 copies of tax sale of 1871 | | 2,432 00 | |
| Publishing tax sale of 1871 | | 7,539 05 | |
| Weed, Parsons & Co., to liquidate the deductions made by the State printer in their account, for extra composition, stereotyping, etc | | 27,680 00 | |
| | | | 238,399 01 |
| *State tax, viz.:* | | | |
| One mill tax levied in 1870 for constructing new work upon and extraordinary repairs of the canals of this State, pursuant to chapter 767, Laws of 1870 | | $1,927,661 16 | |
| Seven-eighths mill tax, levied in 1870, for the payment of awards of the Canal Appraisers and deficiency in appropriations of 1868 and 1869, pursuant to chapter 768, Laws of 1870 | | 1,686,703 51 | |
| One-eighth mill tax, levied in 1870, to pay the interest and redeem the principal of $2,500,000 canal loan, per chapter 271, Laws of 1859 | | 240,957 65 | |
| One-seventy-eighth mill tax, levied in 1870, to provide for enlarging the Champlain canal, in pursuance of chapter 788, Laws of 1870 | | 24,713 61 | |
| | | | 3,880,035 93 |
| *Onondaga Salt Springs, viz.:* | | | |
| Advances to superintendent on his estimates of expenditures | | | 54,979 39 |
| STATE PRISONS. | | | |
| *Auburn Prison, viz.:* | | | |
| For support | $163,909 11 | | |
| For completion of new wing, cells, etc. | 7,000 00 | | |
| For shoe shop roof | 2,000 00 | | |
| Carried forward | $172,909 11 | | $5,739,987 26 |

| | | | |
|---|---|---|---|
| Brought forward | $172,909 11 | | $5,739,987 26 |
| For new doors, casements, etc., for north wing | 5,000 00 | | |
| Ordinary building and repairs | 5,000 00 | | |
| Paint and oil | 500 00 | | |
| Bathing tubs | 1,000 00 | | |
| Hose | 3,000 00 | | |
| For books | 250 00 | | |
| A. H. Goss, treasurer of the Auburn water-works, for supply of water for the prison and the asylum for insane convicts, from August 1st, 1870, to August 1st, 1871 | 1,500 00 | | |
| | | $189,159 11 | |
| *Clinton Prison, viz.:* | | | |
| For support | $131,006 29 | | |
| For manufacturing account | 180,113 70 | | |
| | $311,119 99 | | |
| Wm. C. Rhoades, services as superintendent of manufacturing department, | 2,000 00 | | |
| Plank for prison inclosure | 500 00 | | |
| Repairing plank-road | 1,500 00 | | |
| New coal kilns | 1,500 00 | | |
| New tailor shop | 1,500 00 | | |
| New State shop | 500 00 | | |
| Books | 550 00 | | |
| | | 319,169 99 | |
| *Sing Sing Prison, viz.:* | | | |
| For support, male prison | $267,048 32 | | |
| For support, female prison | 22,013 00 | | |
| For marble and lime works | 56,215 71 | | |
| | $345,277 03 | | |
| For Croton water | 1,500 00 | | |
| Building | 5,000 00 | | |
| Books | 250 00 | | |
| Rev. Wm. M. McCllellan, for clerical and other services | 900 00 | | |
| Reeves E. Selmes, in settlement of claim for damages and work done for the State, | 3,466 50 | | |
| James B. Swain and F. B. Fisher, in full for damages and costs sustained by abrogation of their contract for printing | 2,500 00 | | |
| S. McKeel and B. A. Yeomans, in full for damages sustained in consequence of the non-fulfillment of their contract with Henry C. Nelson, late warden | 4,500 00 | | |
| Carried forward | $363,393 53 | $508,329 10 | $5,739,987 26 |

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|---|---|---|---|
| Brought forward | $363,393 53 | $508,329 10 | $5,739,987 26 |
| Elizabeth Craft, widow of Edwin Craft, late night guard, who was killed by a convict while on duty | 780 00 | | |
| | | 364,173 53 | |
| Inspectors of prisons, for salaries | $4,800 00 | | |
| S. Scheu, Inspector, for extra services | 1,000 00 | | |
| John Hammond, late Inspector, for extra services | 1,500 00 | | |
| Inspectors of prisons, for traveling expenses | 4,200 00 | | |
| | | 11,500 00 | |
| Transportation of convicts | | 22,459 30 | |
| | | | 906,461 93 |
| *Asylum for Insane Convicts, viz.:* | | | |
| For support | | $17,203 21 | |
| Repairs | | 1,000 00 | |
| Fire hose | | 800 00 | |
| Surgical instruments | | 100 00 | |
| Books | | 100 00 | |
| | | | 19,203 21 |
| *Penitentiaries, viz.:* | | | |
| Albany county, for money and clothing furnished convicts on their discharge | | $37 50 | |
| Erie county, for support of convicts | | 2,787 14 | |
| Monroe county, for support of convicts | | 1,145 13 | |
| Onondaga county, for support of convicts | | 248 78 | |
| | | | 4,218 55 |
| MILITIA OF THE STATE AND FOR THE PUBLIC DEFENSE—STAFF DEPARTMENTS. | | | |
| *Adjutant-General's Office, viz.:* | | | |
| Services, including additional compensation | $17,503 42 | | |
| Expenditures | 5,305 12 | | |
| | | $22,808 54 | |
| *Inspector-General's Office, viz.:* | | | |
| Services, including additional compensation | $3,973 00 | | |
| Expenditures | 3,055 71 | | |
| Compensation of Inspectors | 2,019 77 | | |
| | | 9,048 48 | |
| *Office of Commissary-General of Ordnance, viz.:* | | | |
| Services, including additional compensation | $21,549 49 | | |
| Expenses, and ordinary purchases | 24,217 23 | | |
| Uniforms and equipments | 81,348 15 | | |
| | | 127,114 87 | |
| *Office of Paymaster-General, viz.:* | | | |
| Services, including additional compensation | $2,299 92 | | |
| Expenses | 231 55 | | |
| | | 2,531 47 | |
| Carried forward | | $161,503 36 | $6,669,870 95 |

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| Brought forward | | $161,503 36 | $6,669,870 95 |
| *Commander-in-Chief, viz.:* | | | |
| Military secretary, services | $1,722 15 | | |
| Military secretary, expenses | 84 00 | | |
| Military messenger, services | 1,620 00 | | |
| | | 3,426 15 | |
| Expenses of courts-martial | | 1,141 20 | |
| Regimental fund | | 26,252 82 | |
| Uniform fund, per section 113, Military Code | | 66,140 00 | |
| Brigade and division expenses | | 5,301 01 | |
| Services of 28th brigade, National Guard | | 4,000 00 | |
| Miscellaneous | | 160 00 | |
| | | $267,924 54 | |
| *Arsenals and Armories, viz.:* | | | |
| Rochester | $31,001 50 | | |
| Schenectady | 5,023 51 | | |
| Oswego | 24,460 00 | | |
| Auburn | 15,000 00 | | |
| Brooklyn, for taxes and assessments on Brooklyn arsenal | 1,254 03 | | |
| Buffalo, for local assessments on State arsenal property on Batavia street | 5,655 82 | | |
| For repairs of State arsenals | 1,866 45 | | |
| | | 84,261 31 | |
| *Claims of State Troops, viz.:* | | | |
| Charles Vandervort, for advances made by him to equip the 55th Regiment National Guard ..... $4,830 00 | | | |
| Interest thereon, 6 per cent... 2,121 18 | | | |
| | $6,951 18 | | |
| Richard Dunn, services as lieutenant of 175th Regiment N. Y. S. V. | 275 16 | | |
| To uniforms and equipments worn out and lost in the service of the United States, by the 79th Regiment, National Guard, State of New York | 17,500 00 | | |
| For uniforms and equipments worn out and lost in the service of the United States, by the Sixth regiment N. G., New York State | 16,334 13 | | |
| | | 41,060 47 | |
| | | | 393,246 32 |
| *Soldiers of the War of* 1812, *viz.:* | | | |
| For payment of certificates held by residents of this State, for services in the war of 1812 | | $97,702 09 | |
| For services of clerks, preparing and paying said claims | | 4,200 00 | |
| | | | 101,902 09 |
| Carried forward | | | $7,165,019 36 |

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| Brought forward | | $7,165,019 36 |
| *New York Volunteers in Mexican War, viz.:* | | |
| Paid to survivors of the First Regiment of New York State Volunteers in Mexican war | | 15,823 20 |
| *Sick and Wounded Soldiers, viz.:* | | |
| Board and medical attendance for three soldiers at St. Peter's Hospital, Albany | $285 44 | |
| John Callahan, services as State agent at Alexandria, Va., for relief of sick and wounded soldiers | 200 00 | |
| M. J. Ferry, arrears of compensation as State agent in Maryland for relief of sick and wounded soldiers | 2,147 81 | |
| | | 2,633 25 |
| *Indian Affairs, viz.:* | | |
| Compensation of agents, attorneys, etc | $1,539 04 | |
| Compensation of physician to the Onondaga Indians for 1867 and 1870 | 600 00 | |
| | | 2,139 04 |
| *Promotion of Agriculture, viz.:* | | |
| Societies of the several counties | $14,869 04 | |
| Iroquois Agricultural Society | 500 00 | |
| American Institute | 2,315 63 | |
| Boxes and transportation of books to collectors of agricultural statistics in 1868 | 71 20 | |
| Entomologists' salary | 1,500 00 | |
| | | 19,255 87 |
| *Quarantine, viz.:* | | |
| Advances to commissioners for construction and maintenance of a permanent quarantine establishment | $268,668 58 | |
| Expenses of commissioners appointed to confer with the authorities of New Jersey on jurisdiction | 4,200 00 | |
| Expenses of providing, fitting up and furnishing a residence for the health officer | 23,657 93 | |
| For fitting up ship Illinois | 15,000 00 | |
| Repairing and providing new boilers for steamers | 10,389 38 | |
| Lease of grounds for the residence of health officer $2,625 00; Expense of keeping grounds in order 750 00 | 3,375 00 | |
| Salaries of commissioners | 7,500 00 | |
| Pay of police to October 18, 1870 $2,413 56; Pay of police to August 31, 1871 4,124 83 | 6,538 39 | |
| Thomas H. Farron, for personal services | 5,000 00 | |
| | | 344,329 28 |
| *Transfer Office, New York, viz.:* | | |
| Compensation of Comptroller's agent | $831 52 | |
| Stationery | 44 00 | |
| | | 875 52 |
| Carried forward | | $7,550,075 52 |

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| Brought forward | | $7,550,075 52 |
| *Washington's Head-Quarters, viz.:* | | |
| Compensation of keeper | $100 00 | |
| Francis Scott, treasurer of the city of Newburgh, for money expended in and about Washington's head-quarters | 1,643 78 | |
| | | 1,743 78 |
| *Commissioners of Public Charities, viz.:* | | |
| Expenses of commissioners | $2,225 07 | |
| Salary of secretary | 2,499 98 | |
| | | 4,725 05 |
| *Commissioners of Fisheries, viz.:* | | |
| Seth Green, for services and expenses incurred by him in the service of the commissioners | | 8,158 32 |
| *Commissioners of Rinderpest, viz.:* | | |
| Paid S. B. Richardson for an ox slaughtered | $20 00 | |
| Lime, printing, etc | 16 75 | |
| Services and expenses of assistant commissioner | 164 46 | |
| | | 201 21 |
| *Commissioners to revise the Statutes of the State, viz.:* | | |
| For services | $15,000 00 | |
| For expenses | 1,697 15 | |
| | | 16,697 15 |
| *State Normal Schools, viz.:* | | |
| Normal school at Brockport | $2,206 08 | |
| Normal school at Geneseo | 18,000 00 | |
| | | 20,206 08 |
| *Sundry expenditures, viz.:* | | |
| County clerks, for fees | $144 81 | |
| Compensation and expenses of inspector of steam boilers ... $7,681 73 | | |
| John Ashcroft, for hydrostatic pumps and tools furnished inspector of steam boilers, 3,500 00 | | |
| | 11,181 73 | |
| *Montezuma Salt Springs, etc.:* | | |
| Paid to commissioners appointed to develop the salt springs of Montezuma | 1,000 00 | |
| Improvement of Cayuga lake inlet | 11,332 84 | |
| Light-house on pier at the head of Cayuga lake | 750 00 | |
| Bridge across Cattaraugus creek | 6,804 80 | |
| Improvement of the tributaries of Great South bay | 5,000 00 | |
| Improvement of the navigation of Indian river | 10,000 00 | |
| Bridge across Great Sodus bay | 1,500 00 | |
| Improvement of the navigation of Bouquet river | 1,250 00 | |
| Bridge on Cattaraugus reservation near Versailles | 100 00 | |
| Bridge across Allegany river on Indian reservation in Carrolton | 2,000 00 | |
| Bridge across Hudson river near North creek in Warren county | 5,000 00 | |
| Carried forward | $56,064 18 | $7,601,807 11 |

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|---|---|---|
| Brought forward | $56,064 18 | $7,601,807 11 |
| Bridge across Allegany river on Indian reservation in the town of Red House, Cattaraugus county | 5,000 00 | |
| Bridge across French creek in Chautauqua county | 2,000 00 | |
| Removing obstructions from and improving Big Chazy river | 10,000 00 | |
| Repairing highway which was changed by Canal Commissioners in constructing the Genesee Valley canal | 2,000 00 | |
| Removing intruders from the lands of the St. Regis tribe of Indians | 99 80 | |
| Interest on Comptroller's bonds, issued pursuant to chapter 208, Laws of 1848, and chapter 37, Laws of 1850, for the benefit of the Stockbridge Indians | 2,160 00 | |
| Isaiah Morrison, for failure of title to certain lands purchased by him of the State, and interest | 112 44 | |
| A. A. Lake, services as shore inspector | 120 84 | |
| Surrogate of Orleans county, on account of appropriation for fees of surrogates | 5 00 | |
| | | 77,562 26 |
| *Institution for the Deaf and Dumb, New York, viz.:* | | |
| For support and instruction of State pupils | | 100,202 73 |
| *Institution for the Improved Instruction of Deaf mutes, viz.:* | | |
| For support and education of pupils | | 25,000 00 |
| *Institution for the Blind, New York, viz.:* | | |
| For support and instruction of pupils | | 32,760 98 |
| *Institution for the Blind, Batavia, viz.:* | | |
| For support, general expenses and furniture | | 32,000 00 |
| *Society for the Reformation of Juvenile Delinquents, viz.:* | | |
| For support | | 40,000 00 |
| *House of Refuge, Western New York, viz.:* | | |
| For support | $35,000 00 | |
| For deficiency in former appropriation | 20,000 00 | |
| For sewerage, etc | 2,500 00 | |
| | | 57,500 00 |
| *State Reformatory, viz.:* | | |
| For purchase of a site and erection of buildings | $123,208 50 | |
| For expenses of commissioners | 110 00 | |
| | | 123,318 50 |
| *State Lunatic Asylum, viz.:* | | |
| For salaries of officers | $10,000 00 | |
| For services and expenses of pathologist | 1,000 00 | |
| For securing an abundant supply of water | 1,640 66 | |
| To refund advances made for improvements and repairs | 40,000 00 | |
| For grading, paving, etc | 5,000 00 | |
| For support of Mark Jack, an insane Indian | 235 38 | |
| For support of insane female convicts | 433 14 | |
| | | 58,309 18 |
| Carried forward | | $8,148,460 76 |

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|---|---|---|
| Brought forward | | $8,148,460 76 |
| *Buffalo State Asylum for the Insane, viz.:* | | |
| On account of appropriation to establish and organize the asylum | $40,000 00 | |
| Compensation and expenses of commissioners | 1,253 31 | |
| | | 41,253 31 |
| *The Willard Asylum for the Insane, viz.:* | | |
| For extending, completing and finishing buildings | $106,878 28 | |
| Furniture for buildings and maintenance | 19,000 00 | |
| Salaries of officers | 7,033 31 | |
| For an abundant supply of water | 8,103 64 | |
| For fuel | 7,825 00 | |
| For purchase and improvement of dock, etc | 16,000 00 | |
| Farm roads, fences, etc | 6,000 00 | |
| For purchase of brick, brick-yards and fixtures | 3,470 00 | |
| To settle claim for boilers | 2,000 00 | |
| To settle account with foreman | 969 33 | |
| For chapel | 1,000 00 | |
| Printing, stationery and contingencies | 1,500 00 | |
| | | 179,779 56 |
| *Hudson River State Hospital for the Insane, viz.:* | | |
| For construction of buildings, water-works and sewers, and for the maintenance of patients | $282,372 56 | |
| For furniture, extra help and repairs | 13,000 00 | |
| Salary of superintendent | 3,000 00 | |
| Expenses of commissioners | 89 50 | |
| | | 298,462 06 |
| *Monroe County Insane Asylum, viz.:* | | |
| To pay the expense of water, bathing and steam apparatus | | 5,000 00 |
| *State Asylum for Idiots, viz.:* | | |
| For support | $25,000 00 | |
| For construction of additional building | 5,000 00 | |
| | | 30,000 00 |

*Orphan asylums, homes for the friendless, and other institutions of like character, pursuant to chapter* 704, *Laws of* 1870.

| | Special appropriations. | General appropriations. | |
|---|---|---|---|
| Albany Guardian Society and Home for the Friendless | ..... | $163 35 | |
| Academy of the Sacred Heart, free school of, | $3,000 00 | 236 00 | |
| Albany Juvenile Retreat | ..... | 128 23 | |
| Albany Orphan Asylum | ..... | 802 65 | |
| American Female Guardian Society | ..... | 1,899 52 | |
| Association for relief of respectable aged and indigent females, New York | ..... | 923 24 | |
| Asylum of our Lady of Refuge, Buffalo | ..... | 307 34 | |
| Brooklyn Industrial School Association and Home for Destitute Children | ..... | 1,116 08 | |
| Buffalo Orphan Asylum | ..... | 399 20 | |
| Carried forward | $3,000 00 | $5,975 61 | $8,702,955 69 |

| | Special appropriations. | General appropriations. | |
|---|---|---|---|
| Brought forward | $3,000 00 | $5,975 61 | $8,702,955 69 |
| Cayuga Asylum for Destitute Children | 5,000 00 | 1,284 62 | |
| Charity Foundation of the Protestant Episcopal Church, Buffalo | ..... | 227 35 | |
| Children's Aid Society, New York | ..... | 5,417 36 | |
| Children's Friend Society, Albany | ..... | 461 67 | |
| Children's Fold, New York | ..... | 267 35 | |
| Church Charity Foundation of Long Isiand, Brooklyn | ..... | 741 36 | |
| Church Home, Rochester | ..... | 107 10 | |
| Colored Home, New York | ..... | 2,602 32 | |
| Colored Orphan Asylum, New York | 2,000 00 | 3,000 46 | |
| Convent of Mercy, Brooklyn | 5,000 00 | 1,255 87 | |
| Davenport Female Orphan Asylum, Bath | ..... | 1,046 35 | |
| Day Home, Troy | 2,000 00 | 265 69 | |
| Evangelical Lutheran St. John's Orphan Asylum, Buffalo | 3,500 00 | 250 79 | |
| Female Academy of the Sacred Heart, Manhattanville | ..... | 613 13 | |
| Five Points House of Industry, New York | ..... | 1,739 67 | |
| Five Points Mission, New York | ..... | 2,849 58 | |
| Hebrew Benevolent and Orphan Asylum Society, New York | ..... | 1,771 95 | |
| Home of Homeless Girls, New York | ..... | 268 78 | |
| Home for the Friendless, Buffalo | ..... | 32 30 | |
| Home for the Friendless, Newburgh | ..... | 1,101 33 | |
| Home for the Friendless, Schenectady | ..... | 206 13 | |
| Home of the Good Shepherd, Haverstraw | 2,000 00 | 516 67 | |
| House of the Good Shepherd, Brooklyn | ..... | 727 33 | |
| House of the Good Shepherd, New York | ..... | 4,485 88 | |
| House of Mercy, New York | ..... | 383 43 | |
| Home of the Friendless, Auburn | 1,500 00 | 321 48 | |
| Home of the Homeless, Utica | 5,000 00 | 117 52 | |
| Home for the Aged of the Little Sisters of the Poor | ..... | 750 08 | |
| Howard Colored Orphan Asylum, Brooklyn, | 1,500 00 | 596 08 | |
| Hudson Orphan Relief Association | ..... | 1,664 97 | |
| Institute of Mercy Asylum, Greenbush | 3,000 00 | 46 65 | |
| Institution of Mercy, New York | 5,000 00 | 333 28 | |
| Industrial School Association, Brooklyn | ..... | 442 76 | |
| Jefferson County Orphan Asylum | 1,000 00 | 1,163 52 | |
| Ladies' Benevolent Society, Schenectady | ..... | 206 12 | |
| Ladies' Union Aid Society, New York | ..... | 900 25 | |
| Ladies' Union Relief Association, New York, | ..... | 869 96 | |
| Le Couteulx St. Mary's Deaf and Dumb Asylum, Buffalo | ..... | 256 06 | |
| New York Juvenile Guardian Society | 10,000 00 | 1,553 50 | |
| New York Magdalen Benevolent Society | ..... | 307 31 | |
| Carried forward | $49,500 00 | $47,129 62 | $8,702,955 69 |

| | Special appropriations. | General appropriations. | |
|---|---|---|---|
| Brought forward | $49,500 00 | $47,129 62 | $8,702,955 69 |
| Nursery and Child's Hospital, New York | ..... | 2,794 90 | |
| Ontario Orphan Asylum | 5,000 00 | 1,026 54 | |
| Onondaga County Orphan Asylum | 3,000 00 | 805 37 | |
| Orphan Asylum Society, Brooklyn | 10,000 00 | 1,547 67 | |
| Orphan Asylum Society, New York | ..... | 1,720 03 | |
| Orphan Home of the R. C. Church of the Holy Trinity, Williamsburgh | ..... | 560 68 | |
| Orphan House and Asylum of the Protestant Episcopal Church, New York | ..... | 1,517 36 | |
| Oswego Orphan Asylum | 5,000 00 | 1,150 37 | |
| Patriot Orphan Home | ..... | 1,882 00 | |
| Poughkeepsie Orphan House and Home for the Friendless | ..... | 2,262 75 | |
| Rochester Home for Idle and Truant Children, | 6,000 00 | 476 68 | |
| Rochester Home for the Friendless | ..... | 160 14 | |
| Rochester Orphan Asylum | ..... | 398 18 | |
| Roman Catholic Orphan Asylum Society, Brooklyn | 10,000 00 | 7,062 04 | |
| Roman Catholic Orphan Asylum, New York, | ..... | 10,346 90 | |
| Rochester Industrial School | ..... | 381 05 | |
| St. Barnabas House, New York | ..... | 771 99 | |
| St. John's Catholic Female Orphan Asylum, Utica | ..... | 647 39 | |
| St. Joseph's Male Orphan Asylum, Buffalo | ..... | 479 76 | |
| St. Joseph's Orphan Asylum, New York | ..... | 1,989 22 | |
| St. Joseph's German Roman Catholic Orphan Asylum, Rochester | ..... | 109 20 | |
| St. Joseph's Industrial School, New York | ..... | 1,046 96 | |
| St. Joseph's Orphan Asylum and School, Syracuse | ..... | 330 55 | |
| St. Luke's Home, Utica | ..... | 24 38 | |
| St. Mary's German Orphan Asylum, Buffalo, | ..... | 87 20 | |
| St. Mary's Orphan Boys' Asylum, Rochester, | ..... | 638 60 | |
| St. Mary's Orphan Asylum, Canandaigua | ..... | 387 26 | |
| St. Mary's Orphan Asylum, Dunkirk | 1,000 00 | 1,189 45 | |
| St. Mary's Orphan Asylum, Clifton | ..... | 106 50 | |
| St. Patrick's Orphan Asylum, Newburgh | 5,000 00 | 1,216 72 | |
| St. Patrick's Female Orphan Asylum, Rochester | ..... | 468 50 | |
| St. Peter's German Roman Catholic Orphan Asylum, Rondout | ..... | 1,017 85 | |
| St. Stephen's Orphan Asylum, New York | ..... | 1,363 22 | |
| St. Thomas' Orphan Asylum, Batavia | ..... | 1,159 32 | |
| St. Vincent's Male Orphan Asylum, Albany | ..... | 969 86 | |
| St. Vincent's Female Orphan Asylum, Albany, | ..... | 872 16 | |
| St. Vincent's Female Orphan Asylum, Buffalo, | 1,000 00 | 624 14 | |
| Carried forward | $95,500 00 | $96,722 51 | $8,702,955 69 |

| | Special appropriations. | General appropriations. | |
|---|---|---|---|
| Brought forward | $95,500 00 | $96,722 51 | $8,702,955 69 |
| St. Vincent de Paul Orphan Asylum, New York | ..... | 1,524 04 | |
| St. Vincent de Paul Orphan Asylum, Syracuse, | 3,000 00 | 1,135 21 | |
| St. Vincent's Female Orphan Asylum, Troy | 1,000 00 | 640 45 | |
| St. Vincent's Male Orphan Asylum, Utica | ..... | 741 19 | |
| Sheltering Arms, New York | ..... | 1,244 57 | |
| Society for relief of Destitute Children of Seamen | ..... | 481 20 | |
| Society for the Protection of Destitute Roman Catholic Children, New York | 50,000 00 | 11,973 22 | |
| Society for Relief of Half-orphan and Destitute Children, New York | ..... | 2,299 72 | |
| Society for the Protection of Destitute Roman Catholic Male Children, Buffalo | 3,500 00 | 413 77 | |
| Society for the Protection of Destitute Roman Catholic Female Children, Buffalo | ..... | 68 35 | |
| Society for Relief of the Destitute Blind, New York | ..... | 123 85 | |
| Southern Tier Orphan Home | 5,000 00 | 646 20 | |
| Susquehanna Valley Industrial School | 5,000 00 | 613 52 | |
| Syracuse Home Association | 750 00 | 220 34 | |
| Thomas Asylum for Education and Maintenance of Orphan and Destitute Indian Children | 7,112 46 | 569 95 | |
| Troy Catholic Male Orphan Asylum | 5,000 00 | 792 87 | |
| Troy Orphan Asylum | 5,000 00 | 580 04 | |
| Union Home and School for Children of Volunteers | ..... | 1,878 27 | |
| Utica Orphan Asylum | ..... | 661 62 | |
| Widows' and Infants' Orphan Asylum, Buffalo | ..... | 315 84 | |
| | $180,862 46 | $123,646 73 | |
| Apportionment to counties in which there are no asylums, viz.: | | | |
| Per chapter 817, Laws of 1868: Madison | ..... | 471 73 | |
| Per chapter 857, Laws of 1869: Allegany | ..... | 689 08 | |
| Madison | ..... | 852 78 | |
| Montgomery | ..... | 693 15 | |
| Suffolk | ..... | 896 85 | |
| Per chapter 704, Laws of 1870: Cortland | ..... | 528 47 | |
| Delaware | ..... | 653 12 | |
| Lewis | ..... | 311 15 | |
| Madison | ..... | 856 10 | |
| Orleans | ..... | 809 52 | |
| Schoharie | ..... | 387 97 | |
| St. Lawrence | ..... | 1,220 36 | |
| Sullivan | ..... | 237 62 | |
| Yates | ..... | 598 50 | |
| Carried forward | $180,862 46 | $132,853 13 | $8,702,955 69 |

| | Special appropriation. | General appropriation. | |
|---|---|---|---|
| Brought forward | $180,862 46 | $132,853 13 | $8,702,955 69 |
| Per chapter 869, Laws of 1871: | | | |
| St. Vincent's Female Orphan Asylum, Utica, | 5,650 00 | ..... | |
| Buffalo Orphan Asylum | 1,000 00 | ..... | |
| | $187,512 46 | $132,583 13 | |
| | | | 320,365 59 |

*Hospitals and other Charitable Institutions, viz.:*

On account of the appropriation of $75,000, per chapter 857, Laws of 1869:

| | Special. | General. | |
|---|---|---|---|
| Brooklyn Eye and Ear Infirmary | ..... | $267 87 | |
| St. Elizabeth Hospital, Utica | ..... | 1,008 61 | |
| Per chapter 704, Laws of 1870: | | | |
| Albany Hospital | $5,000 00 | 2,372 25 | |
| Brooklyn City Hospital | ..... | 2,914 94 | |
| Brooklyn Eye and Ear Infirmary | ..... | 577 21 | |
| Brooklyn Truant Home | 5,000 00 | ..... | |
| Buffalo General Hospital | ..... | 2,971 18 | |
| Buffalo Hospital of the Sisters' of Charity | ..... | 3,281 57 | |
| Chapin Home for the Aged and Infirm | 10,000 00 | ..... | |
| Christian Brothers' Society Academy, Albany, | 5,000 00 | ..... | |
| Dispensary and Hospital Society of the Woman's Institute (chapter 869, Laws of 1871) New York | 7,500 00 | ..... | |
| German Ladies' Aid Society, New York | 5,000 00 | ..... | |
| German Hospital, New York | ..... | 3,224 00 | |
| Hebrew Benevolent Society, Albany | 500 00 | ..... | |
| Hahnemann Hospital, New York | 20,000 00 | ..... | |
| Home for Incurables, West Farms | ..... | 790 75 | |
| Ingham University, Le Roy | 5,000 00 | ..... | |
| Jane Gray School, Mount Morris | 10,000 00 | ..... | |
| James Street Industrial School | 3,000 00 | ..... | |
| Long Island College Hospital | 5,000 00 | 1,634 20 | |
| Marshall Infirmary | 10,000 00 | 2,715 57 | |
| Mariner's Family Industrial Association | 2,500 00 | ..... | |
| Mount Sinai Hospital, New York | 10,000 00 | 2,973 18 | |
| New York Infirmary for Women and Children | ..... | 604 93 | |
| New York Ophthalmic Hospital | 2,500 00 | 6,725 06 | |
| New York Lying-in Hospital | ..... | 1,854 27 | |
| New York Medical College and Hospital for Women | 10,000 00 | 299 58 | |
| New York Eye and Ear Infirmary | 1,000 00 | ..... | |
| Nursery and Child's Hospital, New York | 25,000 00 | 869 82 | |
| Ophthalmic and Aural Institute, NewYork | 1,000 00 | 288 82 | |
| Pitt Street Industrial School | 3,000 00 | ..... | |
| Providence Lunatic Asylum, Buffalo | ..... | 1,581 00 | |
| S. R. Smith Infirmary | 1,000 00 | 541 64 | |
| Carried forward | $147,000 00 | $37,496 45 | $9,023,321 28 |

| | Special. | General. | |
|---|---|---|---|
| Brought forward | $147,000 00 | $37,496 45 | $9,023,321 28 |
| Rochester City Hospital | 15,000 00 | 4,066 42 | |
| St. Elizabeth Hospital and Home, Utica | 2,500 00 | 774 89 | |
| St. Francis' Hospital of the Sisters of the Poor, | 5,000 00 | 4,568 39 | |
| St. Francis' Asylum and Hospital, Buffalo | ..... | 3,230 24 | |
| St. John's College (Rev. E. M. Smith), Brooklyn | 5,000 00 | ..... | |
| St. Joseph's Hospital, Syracuse | 3,000 00 | 822 37 | |
| St. Mary's Hospital of Sisters of Charity, Rochester | 15,000 00 | 9,572 57 | |
| St. Mary's Lying-in Hospital, Buffalo | 2,500 00 | 1,249 34 | |
| St. Mary's Institute, Rondout | 500 00 | ..... | |
| St. Peter's Hospital, Brooklyn | 5,000 00 | 8,679 25 | |
| St. Peter's Hospital, Albany | 5,000 00 | 869 82 | |
| St. Vincent's Hospital, New York | 5,000 00 | 1,834 51 | |
| Sisters of Charity, Port Jervis | 5,000 00 | ..... | |
| Sisters of St. Ursula, East Morrisania | 3,000 00 | ..... | |
| Society for the relief of the Ruptured and Crippled, New York | 10,000 00 | ..... | |
| Thanksgiving Hospital, Cooperstown | ..... | 395 87 | |
| Troy Hospital | 5,000 00 | 2,716 36 | |
| Wayside Industrial Home | 2,000 00 | ..... | |
| | $235,500 00 | $76,276 48 | |
| | | | 311,776 48 |

*Dispensaries.*

Per chapter 704, Laws of 1870:

| | | |
|---|---|---|
| Albany City Hospital Dispensary | $1,000 00 | |
| Albany City Dispensary | 1,000 00 | |
| Bond Street and Tompkins Square branch of New York Homœopathic Dispensary | 2,500 00 | |
| Brooklyn City Dispensary | 700 00 | |
| Brooklyn Homœopathic Dispensary | 500 00 | |
| Buffalo City Dispensary | 500 00 | |
| Buffalo Homœopathic Dispensary | 750 00 | |
| Demilt Dispensary, New York | 1,000 00 | |
| Dispensary of Medical College for Women, New York | 500 00 | |
| Eastern Dispensary, New York | 1,000 00 | |
| Eclectic Medical Dispensary, New York | 2,500 00 | |
| Gates Avenue Homœopathic Dispensary, Brooklyn | 500 00 | |
| German Dispensary, New York | 600 00 | |
| Harlem Dispensary | 1,000 00 | |
| Homœopathic Medical College Dispensary, New York | 1,000 00 | |
| Long Island College Hospital Dispensary | 500 00 | |
| Manhattan Dispensary | 2,000 00 | |
| Metropolitan Homœopathic Dispensary, New York | 2,000 00 | |
| Morrisania Homœopathic Medical and Surgical Dispensary | 500 00 | |
| New York Dispensary | 6,000 00 | |
| Carried forward | $26,050 00 | $9,335,097 76 |

| | | |
|---|---|---|
| Brought forward | $26,050 00 | $9,335,097 76 |
| New York Dispensary for treatment of Cancers | 1,000 00 | |
| New York Homœopathic Dispensary | 2,000 00 | |
| New York Infirmary Dispensary | 500 00 | |
| Northern Dispensary, New York | 500 00 | |
| North-Eastern Dispensary, New York | 1,500 00 | |
| North-Eastern Homœopathic Medical and Surgical Dispensary, New York | 3,000 00 | |
| North-Western Dispensary New York | 1,000 00 | |
| Poughkeepsie Dispensary | 800 00 | |
| St. Peter's Dispensary, Brooklyn | 500 00 | |
| Troy Hospital Dispensary | 500 00 | |
| Western Dispensary for Women and Children, New York | 300 00 | |
| Western Homœopathic Dispensary, New York | 1,500 00 | |
| Williamsburgh dispensary | 750 00 | |
| Yorkville Dispensary | 1,000 00 | |
| Per chapter 687, Laws of 1871. | | |
| Brooklyn Central Dispensary | 1,000 00 | |
| | | 41,900 00 |

CHARITY WEEK DAY SCHOOLS.

Per chapter 869, Laws of 1871:

| | | |
|---|---|---|
| *Albany County.* | | |
| Academy of the Sacred Heart, Albany | $81 08 | |
| Cathedral Charity Male School, Albany | 444 00 | |
| Cathedral Charity Female School, Albany | 96 73 | |
| Holy Cross School | 422 30 | |
| St. Bernard's School, Cohoes | 710 40 | |
| St. John's Charity Male School, Albany | 643 80 | |
| St. John's Charity Female School, Albany | 466 20 | |
| St. Joseph's Charity Female School, Albany | 207 16 | |
| St. Mary's Free School, Albany | 238 66 | |
| St. Patrick's Free School, Albany | 181 51 | |
| St. Patrick's Free School, West Troy | 740 00 | |
| St. Vincent's Male Orphan Asylum School, Albany | 257 73 | |
| St. Vincent's Female Orphan Asylum School, Albany | 204 03 | |
| Society for relief of Orphan and Destitute Children, Albany | 189 42 | |
| *Broome County.* | | |
| St. James' Parochial School, Binghamton | 142 69 | |
| *Cayuga County.* | | |
| St. Catharine's School, Auburn | 517 04 | |
| *Chautauqua County.* | | |
| St. Mary's Charity School, Dunkirk | 518 00 | |
| *Chemung County.* | | |
| St. Peter and St. Paul's School, Elmira | 374 57 | |
| *Clinton County.* | | |
| St. Peter's Charity School, Plattsburgh | 604 05 | |
| Carried forward | $7,039 37 | $9,376,997 76 |

| | | |
|---|---|---|
| Brought forward | $7,039 37 | $9,376,997 76 |
| *Dutchess County.* | | |
| Christ Church Parish School, Poughkeepsie | 107 29 | |
| St. Peter's Catholic School, Poughkeepsie | 572 80 | |
| *Erie County.* | | |
| Evangelical Lutheran St. John's Orphan Home, Buffalo | 79 61 | |
| First Evangelical Lutheran Trinity School, Buffalo | 273 73 | |
| German Evangelical Lutheran Trinity Congregation Unaltered Augsburgh Confession School, West Seneca | 70 98 | |
| Holy Angel's School, Buffalo | 134 06 | |
| St. Bridget's Free School, Buffalo | 716 06 | |
| St. Joseph's Male Charity School, Buffalo | 429 20 | |
| St. Joseph's Male Orphan Asylum School, Buffalo | 165 43 | |
| St. Joseph's Parochial School, Buffalo | 233 02 | |
| St. Louis Roman Catholic Charity School | 200 64 | |
| St. Mary's Charity School, Buffalo | 142 89 | |
| St. Michael's Parochial School, Buffalo | 117 85 | |
| St. Patrick's School, Buffalo | 477 15 | |
| School of the Immaculate Conception, Buffalo | 80 42 | |
| St. Vincent's Charity School, Buffalo | 147 76 | |
| Society for the Protection of Destitute Roman Catholic Children, Buffalo | 162 31 | |
| *Genesee County.* | | |
| St. Joseph's Academy, Convent of Mercy, Batavia | 336 64 | |
| *Jefferson County.* | | |
| Jefferson County Orphan Asylum School, Watertown | 60 42 | |
| *Kings County.* | | |
| Bushwick Roman Catholic School, Brooklyn | 293 28 | |
| Children's Aid Society, Brooklyn | 172 33 | |
| Convent of the Sisters of Mercy, Brooklyn | 377 40 | |
| Mount Prospect Industrial School, Brooklyn | 74 00 | |
| Parochial School of Church of Our Lady of Mercy, Brooklyn | 1,184 00 | |
| Patriot Orphan Home School, Brooklyn | 185 00 | |
| St. Benedict's Society School, Brooklyn | 222 00 | |
| St. John's Parochial School, Brooklyn | 405 57 | |
| St. Joseph's Charity School, Brooklyn | 2,882 29 | |
| St. Mary's School, Brooklyn | 1,383 39 | |
| St. Mary's Roman Catholic School, Brooklyn | 1,044 05 | |
| St. Peter's Academy School, Brooklyn | 1,406 00 | |
| St. Peter's and St. Paul's School, Brooklyn | 519 25 | |
| School of the Annunciation, Brooklyn | 444 00 | |
| School of the Assumption, Brooklyn | 1,243 20 | |
| St. Joseph's School (per supply bill of 1871), Brooklyn | 2,350 00 | |
| *Monroe County.* | | |
| Benevolent, Scientific and Industrial School, Rochester | 160 57 | |
| Carried forward | $25,893 95 | $9,376,997 76 |

| | | |
|---|---|---|
| Brought forward | $25,893 95 | $9,376,997 76 |
| Female Academy of the Sacred Heart, Rochester | 38 63 | |
| House for Truant Children, Rochester | 266 40 | |
| Rochester Industrial School | 206 07 | |
| Rochester Orphan Asylum School | 111 32 | |
| St. Patrick's Charity School, Rochester | 395 04 | |
| St. Patrick's Male Free School, Rochester | 278 60 | |
| St. Peter and St. Paul's German Catholic School, Rochester | 177 60 | |
| *New York County.* | | |
| American Female Guardian Society School | 1,613 83 | |
| Bowery Juvenile Guardian Society | 264 88 | |
| Dominican Convent | 1,406 37 | |
| Female Academy of the Sacred Heart | 193 58 | |
| Five Points House of Industry School | 621 60 | |
| German American School | 405 17 | |
| German Free School | 981 77 | |
| Hebrew Free School Nos. 1 and 2 | 606 04 | |
| Hebrew Free School No. 3 | 154 90 | |
| Hebrew Free School No. 4 | 171 82 | |
| Immaculate Conception School | 1,599 88 | |
| New York Turn Verein School | 740 00 | |
| Nursery and Childs' Hospital | 84 14 | |
| Our Lady of Sorrows School | 1,184 00 | |
| Parochial School of Holy Cross | 481 00 | |
| St. Ann's School | 235 78 | |
| St. Columba's School | 1,813 00 | |
| St. Bridget's Parochial School | 1,554 00 | |
| St. Francis Xavier Male School | 738 11 | |
| St. Francis Xavier Female School | 634 49 | |
| St. Gabriel's Male Parochial School | 2,347 48 | |
| St. Gabriel's Female Parochial School | 1,258 00 | |
| St. James' Male and Female School | 1,835 20 | |
| St. Joseph's German American School | 108 05 | |
| St. Joseph's Parochial Male School | 509 65 | |
| St. Joseph's Parochial Female School | 381 01 | |
| St. Lawrence's Charity School | 685 21 | |
| St. Malachi's Parochial School | 214 80 | |
| St. Mark's Charity School | 316 97 | |
| St. Mary's Male School | 1,110 00 | |
| St. Mary's Female Institute | 1,184 27 | |
| St. Patrick's School | 1,443 00 | |
| St. Peter's Charity School | 775 76 | |
| School of the Children's Fold | 43 56 | |
| School of the Most Holy Redeemer | 3,167 20 | |
| School of St. Teresa | 1,052 80 | |
| Transfiguration School | 1,591 00 | |
| Union Home and School | 370 00 | |
| Carried forward | $61,245 93 | $9,376,997 76 |

| | | |
|---|---|---|
| Brought forward | $61,245 93 | $9,376,997 76 |
| *Niagara County.* | | |
| Holy Ghost Charity School, New Bergholtz | 47 04 | |
| St. John's Charity School, St. Johnsburgh | 74 96 | |
| St. Joseph's Academy, Lockport | 118 70 | |
| St. Mary's Parochial School, Niagara Falls | 86 19 | |
| St. Michael's Charity School, Wolcottsville | 90 74 | |
| *Oneida County.* | | |
| Academy of the Assumption School, Utica | 497 67 | |
| German Catholic Charity School, Durhamville | 52 85 | |
| St. John's Female Charity School, Utica | 544 28 | |
| St. Joseph's Charity School, Utica | 540 20 | |
| St. Luke's Mission School, Utica | 81 40 | |
| St. Mary's Charity School, Rome | 444 00 | |
| St. Peter's School, Rome | 536 65 | |
| St. Vincent's Orphan Asylum School, Utica | 147 53 | |
| Utica Orphan Asylum School | 101 61 | |
| *Onondaga County.* | | |
| St. John's School, Syracuse | 392 17 | |
| St. Joseph's Orphan Asylum School, Syracuse | 51 83 | |
| St. Mary of the Assumption School | 575 48 | |
| St. Vincent's Charity School | 281 20 | |
| *Ontario County.* | | |
| Ontario Orphan Asylum School, Canandaigua | 90 75 | |
| St. Mary's Charity School, Canandaigua | 333 00 | |
| *Orange County.* | | |
| Newbergh Home of the Friendless School | 52 55 | |
| St. John's School, Goshen | 133 20 | |
| St. Patrick's School, Newburgh | 668 00 | |
| *Oswego County.* | | |
| Oswego Orphan Asylum School | 129 01 | |
| St. Mary's Academy Charity School, Oswego | 481 00 | |
| St. Paul's Charity School, Oswego | 286 37 | |
| St. Peter's Charity School, Oswego | 121 89 | |
| *Rensselaer County.* | | |
| Day Home School, Troy | 232 96 | |
| St. Augustine's Free Institute, Lansingburgh | 334 42 | |
| St. John's Charity School, Greenbush | 118 40 | |
| St. Joseph's Day Home School, Troy | 120 95 | |
| St. Joseph's Charity School, Troy | 122 97 | |
| St. Joseph's Parochial School, Troy | 113 06 | |
| St. Peter's School, Troy | 745 91 | |
| St. Vincent's Female School, Troy | 473 60 | |
| Troy Catholic Male Orphan Asylum School | 585 34 | |
| *Richmond County.* | | |
| St. Mary's School, Clifton | 1,110 00 | |
| Carried forward | $72,163 81 | $9,376,997 76 |

| | | | |
|---|---|---|---|
| Brought forward | | $72,163,81 | $9,376,997 76 |
| St. Peter's School, New Brighton | | 268 10 | |
| *Rockland County.* | | | |
| St. Catherine's German School, Blauveltsville | | 347 80 | |
| *St. Lawrence County.* | | | |
| Convent of Notre Dame des Victories, Ogdensburgh | | 53 99 | |
| *Saratoga County.* | | | |
| St. Mary's Charity School, Ballston | | 43 83 | |
| St. Peter's School, Saratoga Springs | | 280 65 | |
| *Schenectady County.* | | | |
| St. Joseph's School, Schenectady | | 214 02 | |
| *Tioga County.* | | | |
| St. Francis de Sales School, Owego | | 280 40 | |
| *Ulster County.* | | | |
| St. Joseph's Primary School, Wilbur | | 111 00 | |
| St. Joseph's School, Kingston | | 155 40 | |
| St. Mary's Parochial Male School, Rondout | | 320 56 | |
| St. Mary's Parochial Female School, Rondout | | 504 39 | |
| *Westchester County.* | | | |
| St. Mary's School, Port Chester | | 268 43 | |
| St. Matthew's School, New Rochelle | | 230 52 | |
| St. Raymond's Charity School, Westchester | | 259 36 | |
| Ursuline Convent, East Morrisania | | 240 24 | |
| | | | 75,742 50 |
| *Miscellaneous and temporary expenses, viz.:* | | | |
| H. H. Burhans, for services as messenger in the offices of clerk of court of appeals and State Engineer and Surveyor | $600 00 | | |
| Additional compensation by the Legislature | 210 00 | | |
| | | $810 00 | |
| Angel Matthewson, for "Radii" furnished to deaf-mutes | | 500 00 | |
| J. S. Buel, for expenses of defense against charges preferred against him while Police Commissioner of Buffalo | | 300 00 | |
| Amariah Holbrook, for witness fees in trial for impeachment of R. C. Dorn, Canal Commissioner | | 26 70 | |
| Willis H. Adsit, Hamilton H. Towner and Artemas H. Whitney, commissioners, for costs and expenses in suit against the Comptroller | | 750 00 | |
| A. J. Parker, for services as counsel in an application to the supreme court for a mandamus to compel the Secretary of State to file an unauthorized certificate of incorporation | | 250 00 | |
| Wm. A. Russell and Matthew Hale, for award by Commissioners of the Land Office | $4,900 65 | | |
| Interest on said award | 521 92 | | |
| | | 5,422 57 | |
| Carried forward | | $8,059 27 | $9,452,740 26 |

| | | |
|---|---|---|
| Brought forward | $8,059 27 | $9,452,740 26 |
| Wm. A. Russell, for services and expenses subpœnaing witnesses under resolution of Commissioners of the Land Office | 426 93 | |
| Counsel for the people on the indictment of William Whitbeck and others, for murder, viz.: | | |
| William T. Odell | 1,000 00 | |
| Matthew Hale | 2,000 00 | |
| William A. Beach | 2,000.00 | |
| Stephen T. Hayt, for extra services as Canal Commissioner, and for making report | 1,300 00 | |
| Daniel Shaw, for services in Department of Public Instruction | 500 00 | |
| James McQuade, for services as private secretary pro tem, to the Governor | 750 00 | |
| Van R. Richmond, for extra traveling expenses as State Engineer and Surveyor, in 1870 | 300 00 | |
| Henry Storms, amount due him for services as Commissary-General, and as agent in settling claims of the State against the United States | 6,000 00 | |
| John Nelson, compensation for compiling the laws of the State relating to the support of the poor | 1,500 00 | |
| D. A. Wells, G. W. Cuyler and E. Dodge, commissioners, for compensation and expenses for report on the tax and assessment laws of the State | 9 000 00 | |
| J. H. Havens, C. Richardson and E. McMurray, for services and expenses as appraisers under the act for relief of the heirs of John Thurman, deceased | 322 80 | |
| M. H. Williams, for services and expenses as commissioner of the State, at the Paris universal exposition, in 1867 | 10,000 00 | |
| A. D. Tryan, treasurer Genesee county, to aid in rebuilding church of the Seneca Indians, destroyed by fire | 2,000 00 | |
| D. H. Rasbach and others, commissioners to develop salines at Canistota | 2,000 00 | |
| James T. Blanford and others, for canal boat lost while lying at Sing Sing, through the negligence of a State official | 2,250 00 | |
| Sarah Starr, for injuries received while on duty as matron in the State lunatic asylum | 1,000 00 | |
| Mrs. M. Smiley, for injuries sustained by her husband while in the service of the State | 200 00 | |
| Danforth Briggs, for injuries by a convict, while keeper in Clinton prison | 500 00 | |
| Andrew Smith, for injuries received while at work on the new Capitol | 100 00 | |
| W. S. Michaels, for damage done to his property by the 134th Regiment of Volunteers | 600 00 | |
| Carried forward | $51,809 00 | $9,452,740 26 |

| | | |
|---|---|---|
| Brought forward | $51,809 00 | $9,452,740 26 |
| Mrs. D. S. Jones, for portrait of her father, De Witt Clinton, by Ingham | 5,000 00 | |
| T. B. Kingsland, President, etc., amount appropriated to the New York Poultry Society | 1,500 00 | |
| Stephen Van Duser, for enlisting men into the army and navy under call of December, 1864 | 2,100 00 | |
| Edward Donahoe, Jr., compensation and expenses while in city prison, Baltimore, from Oct. 17, 1864, to June 23, 1865 | 2,265 00 | |
| Levi Cohn, compensation and expenses as officer and agent of this State, while in custody of the United States military, from Oct. 1864, to Feb., 1865 | 2,500 00 | |
| Dr. J. P. Gray, for examination of prisoners | 100 00 | |
| R. Sturges, president, for expenses of the Board of Pilot Commissioners | 4,500 00 | |
| Adam Blake, for repairs and improvements of Congress Hall, ordered and approved by Commissioners of the Land Office | 25,324 88 | |
| Banks Brothers, for law books furnished Secretary of State, Regents of the University, Senate, Assembly, etc | 3,342 75 | |
| Also for Supreme Court reporter | 798 50 | |
| Compensation of clerk in the Comptroller's office, for performing the duties of Deputy Comptroller from July 1st, 1868, to January 1st, 1870 | 1,000 00 | |
| J. Moreau Smith, for interest on amount paid by him for State lands, while possession was withheld | 1,774 40 | |
| B. & D. Hughes, compensation in full for dredge built on their plan and patent | 15,000 00 | |
| A. B. Campbell, for bounties paid by him to volunteers, and interest thereon | 1,350 80 | |
| W. H. Bristol, treasurer, for interest returned, which was paid to Attorney-General, June 15,1857, on Peggy Smith's mortgage to the State, and not credited | 137 69 | |
| Bernard Cassidy, for expenses of delegates to National Emigration Convention, and compensation of secretary of the delegation | 1,250 00 | |
| Louis Kazinski, for services in recruiting by Governor's order of August 24th, 1861 | 384 00 | |
| G. L. Cranmer, president, for balance of State quota for national cemetery at Antietam | 7,281 00 | |
| G. A. Dayton, Auditor of Canal Department, to replace amount stolen from safe in Canal Collector's office, New York, in 1864 | 2,450 00 | |
| | | 129,868 02 |
| Carried forward | | $9,582,608 28 |

| | | | |
|---|---|---|---|
| Brought forward | | | $9,582,608 28 |

*Moneys advanced and refunded which had previously been paid, or were subsequently to be paid into the treasury.*

ADVANCES.

| | | | |
|---|---|---|---|
| *Banking Department, viz.:* | | | |
| Superintendent, for salary | | $5,000 00 | |
| Deputy Superintendent, for salary | | 3,500 00 | |
| Treasurer's compensation | | 1,000 00 | |
| Clerk hire | | 5,426 09 | |
| Office expenses | | 2,912 96 | |
| | | | 17,839 05 |
| *Insurance Department, viz.:* | | | |
| Superintendent, for salary | | $7,000 00 | |
| Deputy Superintendent, for salary and additional compensation by the Legislature | | 4,025 00 | |
| Clerk hire, including additional compensation by the Legislature | | 40,070 61 | |
| Messenger, for compensation | | 505 84 | |
| Night watchman, for compensation | | 300 00 | |
| Office expenses | | 29,064 33 | |
| | | | 80,965 78 |
| *Railroad Companies, viz.:* | | | |
| Deputy State Engineer and Surveyor, for salary and additional compensation | | $3,800 00 | |
| Clerk hire, including additional compensation by the Legislature | | 2,750 00 | |
| Printing and binding report, including lithographing | | 12,699 00 | |
| | | | 19,249 00 |
| *Gas-light Companies, viz.:* | | | |
| Inspectors of gasmeters, for salary | | | 2,500 00 |
| *County Treasurers, viz.:* | | | |
| For taxes on non-resident lands returned to the Comptroller's office | | $29,052 02 | |
| *Refunded, viz.:* | | | |
| Redemption of lands for taxes | $2,875 98 | | |
| Erroneous payment of taxes | 1,867 71 | | |
| Taxes for roads | 9,653 31 | | |
| | | 14,397 00 | |
| Deposit of State prison contractors | $500 00 | | |
| Treasurer of Kings county, for overpayment into the treasury of State tax of 1868, of amount belonging to the Free School Fund | 14,864 26 | | |
| Treasurer of Lewis county, for overpayment into the treasury of State tax of 1868, belonging to the Free School Fund | 5,307 01 | | |
| Loan commissioners of Schenectady county, for amount belonging to U. S. Deposit Fund erroneously paid into the School Fund | 12 75 | | |
| Carried forward | $20,684 02 | $43,449 02 | $9,703,162 11 |

| | | | |
|---|---|---|---|
| Brought forward | $20,684 02 | $43,449 02 | $9,703,162 11 |
| William Hawley, for amount overpaid for interest on bond for School Fund lands | 6,80 | | |
| | | 20,690 82 | |
| | | | 64,139 84 |

*Public Administrators, viz.:*

| | | | |
|---|---|---|---|
| William Prendergast, attorney for heirs of Timothy Mulcahy, being amount paid into the treasury March 31st, 1871, by treasurer of Ulster county | | | 847 82 |

TEMPORARY LOANS.

*Amount paid on Temporary Loans made in anticipation of the State Tax, viz.:*

| | | |
|---|---|---|
| Principal | $700,000 00 | |
| Interest | 10,116 66 | |
| | | 710,116 66 |

*Treasury Desposits, viz.:*

| | | |
|---|---|---|
| W. H. Bristol, treasurer, interest on deferred payments of the State tax levied for canal purposes in 1867, 1868 and 1869 | | 27,532 85 |
| Total payments on account of the General Fund | | $10,505,799 28 |

ON ACCOUNT OF THE GENERAL FUND DEBT SINKING FUND, VIZ.:

| | | |
|---|---|---|
| Interest on debt | $211,440 46 | |
| Premium on coin purchased to pay interest | 9,129 10 | |
| Indian annuities, including premium on coin | 7,803 35 | |
| | | 228,372 91 |

ON ACCOUNT OF THE BOUNTY DEBT SINKING FUND, VIZ.:

| | | |
|---|---|---|
| Purchase of State stock, 7s of 1877 | $520,000 00 | |
| Purchase of Westchester county bonds | 137,000 00 | |
| Interest on debt | 1,577,224 02 | |
| Accrued interest on bonds purchased | 2,104 47 | |
| Premium on stocks purchased | 42,399 13 | |
| Commissions on stocks purchased | 765 00 | |
| | | 2,279,492 62 |

ON ACCOUNT OF THE SCHOOL FUND.

*Capital.*

| | | |
|---|---|---|
| Paid John W. Bigelow, surplus received on re-sale of lot No. 15, Iron Ore Tract | | 1,040 51 |

*Revenue.*

| | | |
|---|---|---|
| Common school dividends | $244,600 00 | |
| School commissioners, salaries | 90,427 19 | |
| Indian schools | 4,395 72 | |
| | | 339,422 91 |

ON ACCOUNT OF THE LITERATURE FUND.

*Revenue.*

| | | |
|---|---|---|
| Dividends to academies | $38,864 04 | |
| Dividends to academies for books, etc. | 4,280 54 | |
| | | 43,144 58 |
| Carried forward | | $13 397,272 81 |

| | | |
|---|---|---|
| Brought forward | | $13,397,272 81 |
| **On Account of the United States Deposit Fund.** | | |
| *Capital, viz.:* | | |
| Payments to commissioners for investment | | 21,785 00 |
| *Revenue, viz.:* | | |
| Academies for instruction of common school teachers | $14,289 64 | |
| Teachers' institutes | 20,563 22 | |
| Amount erroneously paid into the treasury as interest on U. S. Deposit Fund which belonged and was transferred to the School Fund | 623 03 | |
| | | 35,475 89 |
| **On Account of the College Land Scrip Fund.** | | |
| *Capital, viz.:* | | |
| Purchase of Buffalo city bonds | | 42,645 00 |
| *Revenue, viz.:* | | |
| To the Cornell University | $26,000 00 | |
| Accrued interest on bonds purchased | 1,089 90 | |
| Premium on bonds purchased | 22 82 | |
| | | 27,112 72 |
| **On Account of the Cornell Endowment Fund.** | | |
| *Capital, viz.:* | | |
| Purchase of Buffalo city bonds | | 19,000 00 |
| *Revenue, viz.:* | | |
| To the Cornell University | $6,000 00 | |
| Accrued interest and premium on bonds purchased | 530 56 | |
| | | 6,530 56 |
| **On Account of the Elmira Female College Educational Fund.** | | |
| *Revenue, viz.:* | | |
| To Elmira Female College | | 3,442 70 |
| **On Account of the Military Record Fund.** | | |
| *Capital, viz.:* | | |
| Purchase of Buffalo city bonds | | 9,000 00 |
| *Revenue, viz.:* | | |
| Interest and premium on bonds purchased | $251 31 | |
| Rent and expenses of Bureau of Military Statistics | 2,832 32 | |
| | | 3,083 63 |
| **On Account of the Long Island Railroad Company Sinking Fund, viz.:** | | |
| Purchase of Buffalo city bonds | $19,000 00 | |
| Interest and premium on bonds purchased | 251 31 | |
| Interest on debt | 3,400 00 | |
| Premium on coin | 408 01 | |
| | | 23,059 32 |
| | | $13,588,407 63 |

## (III.)

### SCHOOL FUND.

*Capital.*

The fund consists of the following items, viz.:

*State Stock.*

| | | |
|---|---|---|
| 5 per cent, issued on account of the Astor debt, redeemable at pleasure | $41,755 91 | |
| 5 per cent, issued on account of the deficiency in the General Fund Debt Sinking Fund, redeemable at pleasure | 188,260 00 | |
| 6 per cent, issued on account of the deficiency in the General Fund Debt Sinking Fund, redeemable at pleasure | 905,041 33 | |
| 7 per cent, issued in pursuance of chapter 325, Laws of 1865, and chapter 209, Laws of 1866, redeemable April 7th, 1877 | 30,000 00 | |
| | | $1,165,057 24 |

*Comptroller's Bonds, viz.:*

| | |
|---|---|
| 6 per cent, redeemable at pleasure | 36,000 00 |

*Bank Stock, viz.:*

| | |
|---|---|
| 1,000 shares in the Manhattan Company | 50,000 00 |
| 7 per cent, Oswego city bonds, issued in pursuance of chapter 500, Laws of 1867, and chapter 21, Laws of 1868, redeemable from January 1st, 1872, to January 1st, 1879 | 42,800 00 |
| Bonds for lands | 226,118 68 |
| Bonds for loans | 182,794 30 |
| Mortgages for loans under the act of 1840, in charge of the Commissioners of the United States Deposit Fund | 49,326 00 |
| Money in the treasury | 1,226,480 30 |
| | $2,978,576 52 |

(See Schedule IV, for increase and diminution of the fund.)

*Revenue, viz.:*

| | |
|---|---|
| Balance of revenue in the treasury on the 1st of October, 1870 | $32,665 21 |
| Amount received into the treasury during the year ending 30th September, 1871, see Schedule I.) | 105,390 62 |
| Amount transferred from the General Fund, for interest on money in the treasury, during the year, per chapter 382, Laws of 1840 | 69,862 34 |
| Amount transferred from the United States Deposit Fund, being the appropriation from the income of that fund for dividends to common schools, etc. | 165,000 00 |
| | $372,918 17 |

| | | |
|---|---|---|
| Amount paid out of the treasury during the year ending 30th September, 1871, see Schedule II.) | $339,422 91 | |
| Amount transferred to the capital, in pursuance of chapter 281, Laws of 1870 | 33,495 26 | |
| | | $372,918 17 |

The revenue of this fund for the current fiscal year, is estimated as follows, viz. :

| | |
|---|---|
| Interest on State stock | $67,903 27 |
| Interest on Comptroller's bonds | 2,160 00 |
| Interest on bonds for lands | 10,000 00 |
| Interest on bonds for loans | 12,000 00 |
| Interest on loan of 1840 | 3,000 00 |
| Interest on money in the treasury | 70,000 00 |
| Interest on Oswego city bonds | 3,000 00 |
| Dividends on bank stock | 5,000 00 |
| | $173,063 27 |
| From the income of the United States Deposit Fund | 165,000 00 |
| | $338,063 27 |

The payments for the current fiscal year are estimated as follows:

*Appropriations, viz.:*

| | |
|---|---|
| For dividends to the common schools, from the income of the School Fund | $170,000 00 |
| For dividends to common schools, from the income of the U. S. Deposit Fund, including the salaries of school commissioners | 165,000 00 |
| | $335,000 00 |
| For maintenance of Indian schools | 4,000 00 |
| Miscellaneous appropriations | 1,200 00 |
| | $340,200 00 |

(IV.)

*SCHEDULE showing the increase and diminution of the Capital of the Common School Fund during the year ending September 30th*, 1871.

| | Bonds for lands. | Bonds for loans. | Loan of 1840. | Bank stock. | Comptroller's bonds. | State stock. | Oswego city bonds. | Money in the treasury. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| Amount of the fund October 1, 1870 | $214,820 13 | $215,431 69 | $49,326 00 | $50,000 00 | $36,000 00 | $1,165,057 24 | $51,400 00 | $1,133,597 98 | $2,915,633 04 |
| Increase of the fund, as stated below | 25,843 40 | ..... | ..... | ..... | ..... | ..... | ..... | 118,714 08 | 144,557 48 |
| | $240,663 53 | $215,431 69 | $49,326 00 | $50,000 00 | $36,000 00 | $1,165,057 24 | $51,400 00 | $1,252,312 06 | $3,060,190 52 |
| Diminution of the fund, as stated below | 14,544 85 | 32,637 39 | ..... | ..... | ..... | ..... | 8,600 00 | 25,831 76 | 81,614 00 |
| Amount of the fund September 30, 1871 | $226,118 68 | $182,794 30 | $49,326 00 | $50,000 00 | $36,000 00 | $1,165,057 24 | $42,800 00 | $1,226,480 30 | $2,978,576 52 |

INCREASE OF THE FUND.

| | | |
|---|---|---|
| Bonds for lands, viz.: | | |
| Amount received for sales of lands | $1,052 15 | |
| Amount transferred from the General Fund | 24,791 25 | |
| | | $25,843 40 |
| Money in the treasury: | | |
| Amount received into the treasury, viz.: | | |
| Principal of bonds for lands | $14,544 85 | |
| Principal of bonds for loans | 32,637 39 | |
| Principal of Oswego city bonds | 8,600 00 | |
| From the income of the U. S. Deposit Fund | 25,000 00 | |
| Sales of lands | 4,436 58 | |
| Transferred from the revenue, in pursuance of chapter 281, Laws of 1870 | 33,495 26 | |
| | | 118,714 08 |
| | | $144,557 48 |

DIMINUTION OF THE FUND.

| | | |
|---|---|---|
| Bonds for lands, viz.: | | |
| Amount of principal paid into the treasury | | $14,544 85 |
| Bonds for loans, viz.: | | |
| Amount of principal paid into the treasury | | 32,637 39 |
| Oswego city bonds, viz.: | | |
| Amount of principal paid into the treasury | | 8,600 00 |
| Money in the treasury, viz.: | | |
| Transferred to General Fund for bond for lands | $24,791 25 | |
| For surplus moneys on re-sale of lands | 1,040 51 | |
| | | 25,831 76 |
| | | $81,614 00 |
| Showing an increase of the fund of | | $62,943 48 |

## (V.)

### LITERATURE FUND.

*Capital.*

This fund consists of the following items:

| | | |
|---|---|---|
| *State stocks, viz.:* | | |
| 7 per cent, issued per chapter 325, Laws of 1865, redeemable April 7th, 1877 | $57,000 00 | |
| 6 per cent, issued per chapter 216, Laws of 1848, redeemable at pleasure | 10,000 00 | |
| 6 per cent, issued per chapter 329, Laws of 1854, redeemable July 1st, 1872 | 97,800 00 | |
| 6 per cent, issued per chapter 271, Laws of 1859, redeemable July 1st, 1872 | 29,000 00 | |
| 6 per cent, issued per chapter 216, Laws of 1848, redeemable July 1st, 1878 | 25,000 00 | |
| 5 per cent, issued per chapter 216, Laws of 1848, redeemable at pleasure | 17,347 00 | |
| 5 per cent, issued on account of the Astor debt, redeemable at pleasure | 3,000 00 | |
| | | $239,147 00 |
| *Comptroller's Bond, viz.:* | | |
| 5 per cent, issued per Revised Statutes, payable on demand | | 25,330 94 |
| *Insurance Stock, viz.:* | | |
| 100 shares in the Albany Insurance Company | | 3,000 00 |
| Money in the treasury | | 3,502 82 |
| | | $270,980 76 |

| | | |
|---|---|---|
| *Revenue, viz.:* | | |
| Amount received into the treasury during the year ending 30th September, 1871 (see Schedule I) | | $16,381 86 |
| Amount transferred from the General Fund, for interest on money in the treasury, during the year | | 105 08 |
| Amount transferred from the U. S. Deposit Fund, being the appropriation from the income of the fund for dividends to academies | | 28,000 00 |
| | | $44,486 94 |
| Deficiency of the revenue on the 1st of October, 1870 | $4,775 85 | |
| Amount paid from the treasury during the year ending 30th September, 1871 (see Schedule II) | 43,144 58 | |
| | | 47,920 43 |
| Deficiency of the revenue on the 30th of September, 1871 | | $3,433 49 |

The revenue of this fund for the current fiscal year is estimated as follows, viz.:

| | |
|---|---|
| Interest on State stock | $15,000 00 |
| Interest on Comptroller's bond | 1,266 54 |
| Interest on money in the treasury | 100 00 |
| Dividends on insurance stock | 400 00 |
| | $16,766 54 |
| From the income of the U. S. Deposit Fund | 28,000 00 |
| | $44,766 54 |

The payments for the current fiscal year are estimated as follows:

*Appropriations for dividends to academies, viz.:*

| | |
|---|---|
| From the income of the Literature Fund | $12,000 00 |
| From the income of the U. S. Deposit Fund | 28,000 00 |
| | $40,000 00 |
| For the purchase of books, maps, etc., for academies | 3,000 00 |
| For supplying the Radii and Deaf-mutes' Journal | 400 00 |
| Deficiency of revenue September 30th, 1871 | 3,433 49 |
| | $46,833 49 |

## (VI.)

### UNITED STATES DEPOSIT FUND.

*Capital.*

This fund consists of the following items, viz.:

| | | |
|---|---|---|
| Mortgages for loans in charge of the commissioners of the several counties, including amount invested in county bonds, in pursuance of chapter 553, Laws of 1864 | | $3,503,340 21 |
| State stock issued per chapter 216, Laws of 1848, redeemable at pleasure, viz.: | | |
| 6 per cent | $274,739 44 | |
| 5 per cent | 142,500 00 | |
| | $417,239 44 | |
| State stock issued per chapter 325, Laws of 1865, 7 per cent, redeemable April 7, 1877 | 46,000 00 | |
| | | 463,239 44 |
| Money in the treasury | | 47,941 06 |
| | | $4,014,520 71 |

*Revenue, viz.:*

| | | |
|---|---|---|
| Amount received into the treasury during the year ending 30th September, 1871 (see Schedule I) | | $251,798 30 |
| Amount transferred from the General Fund, for interest on money in the treasury during the year | | 1,303 86 |
| | | $253 102 16 |
| Deficiency of the revenue on the 1st of October, 1870 | $31,116 25 | |
| Amount of payments from the treasury during the year ending 30th September, 1871 (see Schedule II) | 35,475 89 | |
| Amount transferred to the School Fund for dividends to common schools, etc. | 165,000 00 | |
| Amount transferred to the School Fund to be added to the capital of that fund | 25,000 00 | |
| Amount transferred to the Literature Fund, for dividends to academies | 28,000 00 | |
| Amount transferred to the capital of the fund, for diminution of the loans under foreclosure of mortgages | 300 00 | |
| | | 284,892 14 |
| Deficiency of the revenue on the 30th September, 1871 | | $31,789 98 |

The revenue of this fund for the current fiscal year is estimated as follows, viz.:

| | |
|---|---|
| Interest on loans on mortgage in the several counties | $225,000 00 |
| Interest on State stock | 27,000 00 |
| Sale of lands | 1,000 00 |
| | $253,000 00 |

The payments for the current fiscal year are estimated as follows:

*Appropriations, viz.:*

| | |
|---|---|
| Common school dividends, including the salaries of the school commissioners of the several counties | $165,000 00 |
| Dividends to academies | 28,000 00 |
| Amount to be added to the capital of the School Fund | 25,000 00 |
| Instruction of the common school teachers in the several counties | 18,000 00 |
| Repayment of money erroneously paid into the treasury | 500 00 |
| Deficiency of revenue September 30th, 1871 | 31,789 98 |
| | $268,289 98 |

Premises bid in for the State, under foreclosure of mortgage, belonging to the United States Deposit Fund, remaining unsold on the 30th September, 1871:

| County. | No. of Mortgages. | When bid in. | Principal due |
|---|---|---|---|
| Albany | 236 | 1870 | $2,400 00 |
| Chemung | 175 | 1857 | 256 00 |
| Erie | 437 | 1860 | 500 00 |
| Herkimer | 264 | 1866 | 250 00 |
| Oneida | 570 | 1870 | 300 00 |
| Oneida | 650 | 1870 | 2,000 00 |
| Oneida | 698 | 1870 | 2,000 00 |
| Oswego | 271 | 1841 | 300 00 |
| Queens | 19 & 37 | 1852 | 850 00 |
| Rensselaer | 49 | 1846 | 348 00 |
| Rensselaer | 203 | 1858 | 2,000 00 |
| Rensselaer (in part) | 181 | 1859 | 850 00 |
| Rensselaer | 222 | 1862 | 375 00 |
| Rensselaer | 258 | 1863 | 600 00 |
| Rensselaer | 286 | 1863 | 896 00 |
| Rensselaer | 259 | 1866 | 1,000 00 |
| Rensselaer | 82 | 1868 | 1,200 00 |
| Richmond | 41 | 1861 | 2,000 00 |
| Tompkins | 417 | 1862 | 400 00 |
| Warren | 112 | 1866 | 300 00 |
| Westchester | 122 | 1862 | 250 00 |

## (VII.)

### LONG ISLAND RAILROAD COMPANY SINKING FUND.

This fund consists of the following items, viz.:

| | |
|---|---|
| Comptroller's bond, payable on demand, 6 per cent | $287 82 |
| Buffalo city bonds, 6 per cent, redeemable March 15, 1879 | 10,000 00 |
| Buffalo city bonds, 7 per cent, redeemable July 1, 1916 | 9,000 00 |
| | $19,287 82 |
| Less amount advanced from the treasury | 147 93 |
| | $19,139 89 |

### MARINERS' FUND.

This fund consists of the following items, viz.:

| | |
|---|---|
| Mortgage of the American Seamen's Friend Society, without interest. (See chapter 37, Laws of 1845, for relief of said society) | $10,000 00 |
| Money in the treasury | 164 81 |
| Money in the treasury paid under protest | 1,169 76 |
| | $11,334 57 |

### SOLDIERS' ALLOTMENT FUND.

| | |
|---|---|
| Money in the treasury | $54 96 |

### COLLEGE LAND SCRIP FUND.

*Capital.*

This fund consists of the following items, viz.:

| | |
|---|---|
| Seven per cent State stock, issued in pursuance of chapter 325, Laws of 1865, and chapter 209, Laws of 1866, redeemable April 7, 1877 | $64,000 00 |
| Five per cent State stock, issued in pursuance of chapter 216, Laws of 1848, redeemable July 1, 1875 | 116,000 00 |
| United States 6 per cent, 5-20, registered stock, authorized by act of Congress, approved March 3, 1865, redeemable at pleasure after July 1, 1872 | 45,000 00 |
| Bond of Ezra Cornell, dated November 24, 1865, 7 per cent, redeemable November 24, 1875 | 50,000 00 |
| Bond of Ezra Cornell, dated August 4, 1866, 7 per cent, redeemable August 4, 1871 | 30,000 00 |
| Bond of Ezra Cornell, dated September 18, 1866, 7 per cent, redeemable September 18, 1871 | 30,000 00 |
| Bond of Ezra Cornell, dated June 7, 1867, 7 per cent, redeemable June 7, 1872 | 30,000 00 |
| Bond of Ezra Cornell, dated August 1, 1867, 7 per cent, redeemable August 1, 1872 | 30,000 00 |
| Bond of Ezra Cornell, dated October 12, 1867, 7 per cent, redeemable October 12, 1872 | 9,600 00 |
| Proportion of bond and mortgage executed by Gleason F. Lewis, 7 per cent, payable September 15, 1880 | 7,200 00 |
| Carried forward | $411,800 00 |

| | |
|---|---|
| Brought forward | $411,800 00 |
| Buffalo city bonds, 7 per cent, redeemable July 1, 1916 | 13,000 00 |
| Buffalo city bonds, 7 per cent, redeemable July 1, 1917 | 15,000 00 |
| Buffalo city bonds, 6 per cent, redeemable March 15, 1879 | 15,000 00 |
| Money in the treasury | 18,602 87 |
| | $473,402 87 |

*Revenue, viz.:*

| | |
|---|---|
| Balance in the treasury on the 1st October, 1870 | $9,787 84 |
| Amount received into the treasury during the year ending September 30, 1871 (see Schedule I) | 21,997 70 |
| | $31,785 54 |
| Amount paid from the treasury during the year ending 30th September, 1871 (see Schedule II) | 27,112 72 |
| Balance in the treasury on the 30th September, 1871 | $4,672 82 |

## CORNELL ENDOWMENT FUND.

*Capital.*

This fund consists of the following items, viz.:

| | |
|---|---|
| United States 6 per cent 5-20 registered stock, authorized by act of Congress, approved March 3d, 1865, redeemable at pleasure after July 1st, 1872 | $30,000 00 |
| Six per cent State stock, issued in pursuance of chapter 271, Laws of 1859, redeemable July 1st, 1872 | 15,000 00 |
| Six per cent State stock, issued in pursuance of chapter 23, Laws of 1855, redeemable January 1st, 1873 | 10,000 00 |
| Six per cent State stock, issued in pursuance of chapter 329, Laws of 1854, redeemable July 1st, 1873 | 4,000 00 |
| Six per cent State stock, issued in pursuance of chapter 216, Laws of 1848, redeemable July 1st, 1878 | 13,000 00 |
| Five per cent State stock, issued in pursuance of chapter 216, Laws of 1848, redeemable July 1st, 1875 | 25,000 00 |
| Proportion of bond and mortgage executed by Gleason F. Lewis, 7 per cent, payable September 15th, 1880 | 4,800 00 |
| Buffalo city bonds, 7 per cent, redeemable July 1st, 1916 | 19,000 00 |
| Monev in the treasury | 7,796 61 |
| | $128,596 61 |

*Revenue, viz.:*

| | |
|---|---|
| Balance in the treasury on the 1st of October, 1870 | $2,941 58 |
| Amount received in the treasury during the year ending 30th September, 1871 (see Schedule I) | 7,920 95 |
| | $10,862 53 |
| Amount paid from the treasury during the year ending 30th of September, 1871 (see Schedule II) | 6,530 56 |
| Balance in the treasury on the 30th September, 1871 | $4,331 97 |

## (VIII.)

### BOUNTY DEBT SINKING FUND.

*Capital.*

This fund consists of the following items, viz.:

| | |
|---|---|
| State stock 6 per cent, redeemable January 1st, 1873 | $24,000 00 |
| State stock 6 per cent, redeemable July 1st, 1873 | 1,000 00 |
| State stock 6 per cent, redeemable November 1st, 1873 | 5,000 00 |
| State stock 6 per cent, redeemable October 1st, 1874 | 6,000 00 |
| State stock 6 per cent, redeemable July 1st, 1878 | 35,000 00 |
| State stock 5 per cent, redeemable July 1st, 1875 | 148,500 00 |
| Astor State stock 5 per cent, redeemable at pleasure | 516,744 09 |
| United States 6 per cent 5-20 registered stock, redeemable at pleasure after July 1st, 1872 | 10,000 00 |
| Westchester county bonds 7 per cent, redeemable from May 1st, 1872, to May 1st, 1883 | 137,000 00 |
| Money in the treasury | 4,662,371 84 |
| | $5,545,615 93 |

*Receipts, viz.:*

| | |
|---|---|
| Balance in the treasury on the 1st of October, 1870 | $2,704,287 99 |
| Amount received into the treasury during the year ending 30th September, 1871 (see Schedule I) | 38,193 82 |
| Amount transferred from the General Fund, being proceeds of 2⅓ mill tax, levied in 1870, in pursuance of chapter 325, Laws of 1865 | 4,096,279 97 |
| Amount transferred from the General Fund for interest on money in the treasury during the year | 103,102 68 |
| | $6,941,864 46 |

*Payments, viz.:*

| | |
|---|---|
| Amount paid from the treasury during the year ending 30th September, 1871 (see Schedule II) | 2,279,492 62 |
| Balance in the treasury on the 30th September, 1871 | $4,662,371 84 |

### ELMIRA FEMALE COLLEGE EDUCATIONAL FUND.

*Capital.*

This fund consists of the following items, viz.:

| | |
|---|---|
| Oswego city bonds, 7 per cent, redeemable from Jannary 1st, 1881, to January 1st, 1890 | $45,500 00 |
| New York city stock, 7 per cent, redeemable November 1st, 1884 | 4,500 00 |
| | $50,000 00 |

*Revenue, viz.:*

| | |
|---|---|
| Balance in the treasury on the 1st of October, 1870 | $70 86 |
| Amount received into the treasury during the year ending 30th September, 1871 (see Schedule I) | 3,371 84 |
| | $3,442 70 |
| Amount paid from the treasury during the year ending 30th September, 1871 (see Schedule II) | 3,442 70 |

TRUST FUND FOR THE PAYMENT OF BOUNTIES.

*Chapter* 756, *Laws of* 1869.

This fund consists of the following item, viz.:

| | |
|---|---|
| Money in the treasury | $20,905 00 |

## ( IX. )

### METROPOLITAN BOARD OF HEALTH FUND.

| | |
|---|---|
| Balance in the treasury October 1st, 1870 | $500 00 |
| September 30th, 1871 | 500 00 |

### MILITARY RECORD FUND.

*Capital.*

This fund consists of the following items, viz.:

| | |
|---|---|
| Albany city stock, 7 per cent, redeemable March 1st, 1898, 1899 and 1900 | $30,000 00 |
| Buffalo city bonds, 7 per cent, redeemable July 1st, 1916 | 9,000 00 |
| Money in the treasury | 121 40 |
| | $39,121 40 |

*Revenue, viz.:*

| | |
|---|---|
| Amount received into the treasury during the year ending 30th September, 1871 (see Schedule I) | $2,836 81 |
| Amount paid from the treasury during the year ending 30th September, 1871 (see Schedule II) | 3,083 63 |
| Deficiency of the revenue, September 30th, 1871 | $246 82 |

### INDIAN ANNUITIES.

The amount of annuities payable to Indian tribes under the several treaties with them, is as follows, viz.:

| | |
|---|---|
| Cayugas | $2,300 00 |
| Onondagas | 2,430 00 |
| Senecas | 500 00 |
| St. Regis | 2,131 67 |
| | $7,361 67 |

## (X.)

### GENERAL FUND DEBT.

The following are the items of the State debt, chargeable upon the General Fund Debt Sinking Fund:

| | | |
|---|---|---|
| *State Stocks, viz.:* | | |
| Amount issued on account of the Astor debt, per chapter 302, Laws of 1827, and chapter 86, Laws of 1832, redeemable at pleasure, 5 per cent (of which there is held by the Comptroller, in trust for the Bounty Debt Sinking Fund, the sum of $516,744.09, and in trust for the School and Literature Funds, $44,755.91) | | $561,500 00 |
| Amount issued on account of the deficiency in the General Fund Debt Sinking Fund, per chapter 216, Laws of 1848, redeemable as follows, viz: | | |
| 5 per cent, July 1st, 1875 | $900,000 00 | |
| 6 per cent, July 1st, 1878 | 800,000 00 | |
| 5 per cent, at pleasure | 348,107 00 | |
| 6 per cent, at pleasure | 1,189,780 77 | |
| | | 3,237,887 77 |
| *Comptroller's Bonds, viz.:* | | |
| 5 per cent issued, per Revised Statutes, in 1844, for loans from the Railroad Sinking Funds, payable on demand | $25,330 94 | |
| 6 per cent issued, per Revised Statutes, in 1846, for loans from the Railroad Sinking Fund, payable on demand | 287 82 | |
| 6 per cent issued, per Revised Statutes, in 1846, for a loan to the treasury of moneys held by the Comptroller in trust for the Delaware Academy, payable on demand | 4,825 00 | |
| 6 per cent issued, per chapter 208, Laws of 1848, and chapter 37, Laws of 1850, for the benefit of the Stockbridge Indians, payable at pleasure | 36,000 00 | |
| | | 66,443 76 |
| *Indian Annuities, viz.:* | | |
| The amount of Indian annuities, payable to sundry Indian tribes, under the several treaties with them, being $7,361.67, would require an investment at six per cent to provide that sum, of | | 122,694 87 |
| Debt paying interest | | $3,988,526 40 |
| Not paying interest | | 51,500 00 |
| Total debt | | $4,040,026 40 |

### CONTINGENT STATE DEBT.

| | |
|---|---|
| Amount of State stock issued and loaned to the Long Island Railroad Company, per chapter 193, Laws of 1840, redeemable August 1st, 1861, 6 per cent, which redemption is deferred to August, 1876, and the rate of interest reduced to five per cent, per chapter 36, Laws of 1858 | $68,000 00 |

## (XI.)

### ESTIMATED REVENUE

*Applicable to the ordinary expenses of government and other purposes for the fiscal year commencing October 1st, 1871, viz.:*

| | |
|---|---|
| Four and 49–120 mills tax (exclusive of the one and a quarter mill tax for common schools), viz.: for the support of government, one and three-eighth mill; for canals, 79–120 of one mill; for Bounty Debt, two mills; and for the new Capitol, three-eighths of one mill | $9,048,271 24 |
| Balance due from county treasurers on account of State tax levied in 1870, including $26,627.34 due from Rockland county, levied in previous years | 6,107,995 38 |
| Auction duty | 100,000 00 |
| Salt duty | 85,000 00 |
| State prison earnings | 450,000 00 |
| Arrears and interest of non-resident taxes, including receipts from sale, | 450,000 00 |
| Fees of public offices | 8,000 00 |
| Peddlers' licenses | 800 00 |
| Tolls of the Cayuga lake inlet | 150 00 |
| Interest on treasury deposits | 25,000 00 |
| Interest on bonds of the corporation of the city of New York | 18,000 00 |
| Sales of lands | 10,000 00 |
| From banks, for expenses of bank department | 18,000 00 |
| From insurance companies, for expenses of the insurance department, | 75,000 00 |
| From railroad companies, for salary of the deputy State Engineer and Surveyor, clerk hire and printing reports | 15,000 00 |
| From gas-light companies, for salary of the inspector of gasmeters | 2,500 00 |
| Miscellaneous | 50,000 00 |
| | $16,463,716 62 |

### ESTIMATED PAYMENTS

*For ordinary expenses of government and other purposes, for the fiscal year commencing October 1st, 1871, viz.:*

| | |
|---|---|
| Salaries of the officers of government and of the clerks in the public offices | $111,056 17 |
| Salaries of the judges of the court of appeals | 49,500 00 |
| Salaries of the justices of the supreme court | 203,000 00 |
| Stenographers of the supreme court | 5,000 00 |
| Salaries of the commissioners of appeals | 35,000 00 |
| Judges of the court of appeals, for expenses | 14,000 00 |
| For additional law libraries | 20,000 00 |
| Commissioners of appeals and justices supreme court, per diem allowance | 68,000 00 |
| Expenses of general term, supreme court | 12,000 00 |
| Compensation of the members and officers of the Legislature | 90,000 00 |
| Contingent expenses of the Legislature | 38,000 00 |
| Carried forward | $645,556 17 |

| | |
|---|---|
| Brought forward | $645,556 17 |
| Expenses of the public offices | 10,931 01 |
| Expenses of the executive department | 3,338 94 |
| Apprehension of criminals | 2,000 00 |
| Apprehension of fugitives from justice | 1,000 00 |
| Compensation of the criers and attendants of the courts and commission of appeals | 5,000 00 |
| Advances to county treasurers for taxes on non-resident lands returned to the Comptroller's office | 60,000 00 |
| Insurance department, salaries and expenses | 92,576 34 |
| Bank department, salaries and expenses | 24,304 80 |
| Inspector of gasmeters, for salary | 2,500 00 |
| Shore inspector, for salary | 1,500 00 |
| Office of State Engineer and Surveyor, railroad department | 9,200 00 |
| Road commissioners for non-resident taxes returned to the Comptroller's office | 6,000 00 |
| Agent to examine auctioneer's accounts | 1,200 00 |
| Expenses of transfer office, New York city | 250 00 |
| Compensation of agent at transfer office | 750 00 |
| Repayment of money to purchasers for redemption of lands sold for taxes | 50,000 00 |
| Repayment of money erroneously paid for taxes | 10,000 00 |
| Repayment of money in cases of failure of title to lands sold by the State | 300 00 |
| Repayment of money paid into the treasury through mistake | 500 00 |
| Quarantine commissioners, for salaries | 7,500 00 |
| Quarantine maintenance, buildings, expenses, etc. | 123,839 83 |
| Expenses of public lands and compensation and mileage of the Lieutenant-Governor and Speaker of the Assembly, as Commissioners of the Land Office | 2,270 49 |
| Postage of official lettters | 5,000 00 |
| Stationery for the public offices | 6,054 79 |
| Transportation of the journals and documents of the Legislature, packages for the public offices and expense of boxes | 5,000 00 |
| Expenses of the Regents of the University, and salaries of the secretary and assistant secretary | 8,342 47 |
| Expenses of the Capitol | 10,900 00 |
| Expenses of the State Hall | 5,900 00 |
| Expenses of the State Library | 12,278 75 |
| Gas and other necessary expenses of the executive mansion | 4,000 00 |
| Expenses of the Hall for the State Cabinet of Natural History | 3,500 00 |
| Natural History of the State, for drawings | 2,500 00 |
| New Capitol | 600,000 00 |
| New Capitol, purchase of land | 10,000 00 |
| Expenses of the State prisons | 403,000 00 |
| Repayment of State prison contractors' deposits | 2,000 00 |
| Transportation of convicts | 20,000 00 |
| Inspectors of State prisons, for salaries and expenses | 6,600 00 |
| Expenses of Asylum for Insane Convicts | 19,133 89 |
| Carried forward | $2,184,727 48 |

| | | | |
|---|---|---|---|
| Brought forward | | | $2,184,727 48 |
| Maintenance of convicts confined in penitentiaries | | | 10,000 00 |
| Expenses of the National Guard | | | 200,793 99 |
| Expenses of the Onondaga salt springs | | | 50,000 00 |
| Agricultural societies | | | 20,000 00 |
| Salary of entomologist | | | 1,000 00 |
| Interest of $36,000 debt, created for the benefit of the Stockbridge Indians | | | 2,160 00 |
| Indian affairs | | | 1,465 00 |
| Pilot commissions | | | 4,500 00 |
| Compensation of the keeper of Washington's head-quarters | | | 200 00 |
| Reports of the court of appeals and supreme court, for exchange with other States | | | 500 00 |
| Printing for the State | | | 192,531 40 |
| Fuel for the Capitol, State Hall and State Library | | | 5,000 00 |
| Costs of suits, counsel to assist Attorney-General, etc | | | 7,000 00 |
| Inspector-in-chief of steam boilers, salary and expenses | | | 11,488 27 |
| New York State Museum of Natural History | | | 10,950 45 |
| Arsenal at Oswego | | | 15,540 00 |
| Armory at Auburn | | | 10,000 00 |
| Armory at Syracuse | | | 20,000 00 |
| *Charitable Institutions, viz.:* | | | |
| Hudson River State Hospital for the Insane | | $103,000 00 | |
| Willard Asylum for the Insane | | 113,102 00 | |
| Buffalo State Asylum for the Insane | | 160,000 00 | |
| Lunatic Asylum, Utica, for salaries | $11,000 00 | | |
| Maintenance of female convicts | 600 00 | | |
| Support of Mark Jack, an insane Indian | 250 00 | | |
| Grading, etc | 7,976 00 | | |
| | | 19,826 00 | |
| New York Institution for the Blind | | 45,000 00 | |
| New York State Institution for the Blind, Batavia | | 61,500 00 | |
| Institution for the Deaf and Dumb, New York | | 105,000 00 | |
| Society for the Reformation of Juvenile Delinquents | | 40,000 00 | |
| House of Refuge, western New York | | 45,000 00 | |
| State Asylum for Idiots | | 50,000 00 | |
| Thomas Asylum for Orphan and Destitute Indian Children | | 8,500 00 | |
| Homœopathic Asylum for the Insane | | 150,000 00 | |
| State Reformatory at Elmira | | 157,185 50 | |
| Orphan asylums | | 291,175 00 | |
| Hospitals, and other charitable institutions | | 588,650 00 | |
| Dispensaries | | 80,890 00 | |
| Commissioners of public charities, for the salary of the secretary, and office and traveling expenses | | 5,500 00 | |
| | | | 2,024,328 50 |
| Improvement at the head of Cayuga lake | | | 12,500 00 |
| Commissioners of fisheries | | | 14,332 00 |
| For the development of salines at Canastota | | | 1,000 00 |
| Carried forward | | | $4,800,017 09 |

| | |
|---|---|
| Brought forward | $4,800,017 09 |
| Commissioners to revise the statutes, salaries and expenses | 23,439 85 |
| Interest on money in the treasury belonging to the specific funds | 200,000 00 |
| Principal of Comptroller's bonds issued in anticipation of State tax, per Revised Statutes | 300,000 00 |
| Improvement of Boquet river | 3,750 00 |
| Bridge across Great Sodus bay | 1,500 00 |
| County of Hamilton, balance of appropriation | 27,068 23 |
| State normal schools | 15,793 92 |
| Calvin E. Pratt, executor, to pay judgments | 3,000 00 |
| Improvements of Chautauqua lake and outlet | 5,000 00 |
| Expenses of Medical commissioners appointed by the Governor | 2,000 00 |
| Manual labor school, Tonawanda Reservation | 4,500 00 |
| Amount of seventy-nine and one hundred and twentieth of a mill tax levied in 1871, and appropriated for canal purposes, chapter 788, Laws of 1870, and chapters 717 and 930, Laws of 1871 | 1,350,000 00 |
| Amount of the two mill tax levied in 1871, and appropriated to the Bounty Debt Sinking Fund, chapter 325, Laws of 1865 | 4,100,000 00 |
| Miscellaneous and other payments which may be authorized by the Legislature | 800,000 00 |
| | $11,636,069 09 |
| Add deficiency | 8,878,806 62 |
| | $20,514,875 71 |
| Estimated revenue | 16,463,716 62 |
| Estimated deficiency September 30th, 1872 | $4,051,159 09 |

## (XII.)

*SCHEDULE showing the amount of the six and one-seventy-eighth mill tax, levied in* 1870, *on the valuation of real and personal property in each county of this State, viz.: For support of government, one and one-fourth of one mill; for canals, two and one-seventy-eighth of one mill; for bounty debt, two and one-eighth of one mill, and for new Capitol, five-eights of one mill; the expenses of collection, and the amount payable into the treasury; also the amount of unpaid taxes returned to the Comptroller's office and admitted.*

| COUNTIES. | Amount of tax. | County treasurers' fees. | Net proceeds. | Taxes returned and admitted. |
|---|---|---|---|---|
| Albany | $286, 630 42 | $2, 000 00 | $284, 630 42 | $308 94 |
| Allegany | 51, 337 66 | 500 00 | 50, 837 66 | 1, 048 62 |
| Broome | 48, 386 29 | 480 04 | 47, 906 25 | 381 60 |
| Cattaraugus | 45, 319 24 | 376 00 | 44, 943 24 | 7, 718 85 |
| Cayuga | 126, 682 30 | 500 00 | 126, 182 30 | 1, 460 59 |
| Chautauqua | 93, 840 68 | 500 00 | 93, 340 68 | 231 84 |
| Chemung | 51, 011 25 | 500 00 | 50, 511 25 | 98 05 |
| Chenango | 68, 227 01 | 500 00 | 67, 727 01 | 156 79 |
| Clinton | 34, 830 74 | 231 74 | 34, 599 00 | 11, 656 54 |
| Columbia | 131, 400 64 | 500 00 | 130, 900 64 | ..... |
| Cortland | 41, 812 60 | 416 86 | 41, 395 74 | 126 01 |
| Delaware | 51, 560 51 | 495 20 | 51, 065 31 | 2, 040 09 |
| Dutchess | 178, 523 71 | 500 00 | 178, 023 71 | ..... |
| Erie | 318, 045 39 | 2, 000 00 | 316, 045 39 | 111 76 |
| Essex | 30, 853 34 | 177 65 | 30, 675 69 | 13, 088 21 |
| Franklin | 34, 881 06 | 207 12 | 34, 673 94 | 14, 169 19 |
| Fulton | 20, 944 56 | 189 86 | 20, 754 70 | 1, 957 97 |
| Genesee | 93, 265 53 | 500 00 | 92, 765 53 | ..... |
| Greene | 33, 711 34 | 334 77 | 33, 376 57 | 234 55 |
| Hamilton | 4, 492 54 | ..... | 4, 492 54 | 21, 083 37 |
| Herkimer | 54, 650 91 | 500 00 | 54, 150 91 | 2, 844 84 |
| Jefferson | 90, 960 42 | 500 00 | 90, 460 42 | ..... |
| Kings | 1, 167, 127 25 | 2, 000 00 | 1, 165, 127 25 | 35, 939 64 |
| Lewis | 23, 828 22 | 238 28 | 23, 589 94 | 3, 262 16 |
| Livingston | 96, 455 45 | 500 00 | 95, 955 45 | ..... |
| Madison | 67, 514 05 | 500 00 | 67, 014 05 | 51 14 |
| Monroe | 215, 296 95 | 500 00 | 214, 796 95 | 650 61 |
| Montgomery | 40, 069 45 | 400 69 | 39, 668 76 | ..... |
| New York | 5, 581, 601 85 | 55, 816 01 | 5, 525, 785 84 | ..... |
| Niagara | 90, 684 99 | 500 00 | 90, 184 99 | 111 18 |
| Oneida | 172, 858 73 | 500 00 | 172, 358 73 | 1, 668 45 |
| Onondaga | 195, 735 92 | 500 00 | 195, 235 92 | ..... |
| Ontario | 110, 784 32 | 500 00 | 110, 284 32 | ..... |
| Orange | 182, 876 37 | 500 00 | 182, 376 37 | ..... |
| Orleans | 63, 899 63 | 500 00 | 63, 399 63 | 15 26 |
| Oswego | 89, 982 67 | 500 00 | 89, 482 67 | 5, 063 24 |
| Otsego | 76, 208 31 | 500 00 | 75, 708 31 | ..... |
| Putnam | 33, 865 19 | 338 65 | 33, 526 54 | ..... |
| Queens | 147, 684 76 | 500 00 | 147, 184 76 | 4, 237 21 |
| Rensselaer | 183, 490 41 | 500 00 | 182, 990 41 | ..... |
| Richmond | 46, 398 71 | 463 99 | 45, 934 72 | ..... |
| Rockland | 41, 599 88 | 416 00 | 41, 183 88 | ..... |
| Saratoga | 76, 264 96 | 500 00 | 75, 764 96 | 2, 376 38 |
| Schenectady | 33, 372 96 | 333 72 | 33, 039 24 | ..... |
| Schoharie | 31, 830 79 | 318 30 | 31, 512 49 | ..... |
| Schuyler | 22, 752 97 | 227 53 | 22, 525 44 | ..... |
| Seneca | 58, 238 61 | 500 00 | 57, 738 61 | ..... |
| St. Lawrence | 96, 237 16 | 500 00 | 95, 737 16 | 7, 459 05 |
| Steuben | 82, 604 89 | 500 00 | 82, 104 89 | 119 10 |
| Suffolk | 68, 738 30 | 500 00 | 68, 238 30 | 572 29 |
| Sullivan | 18, 011 19 | 154 47 | 17, 856 72 | 2, 664 41 |
| Tioga | 33, 278 13 | 329 88 | 32, 948 25 | 289 89 |
| Tompkins | 46, 182 69 | 461 83 | 45, 720 86 | ..... |
| Ulster | 80, 321 39 | 500 00 | 79, 821 39 | 4, 046 22 |
| Warren | 16, 795 58 | 134 42 | 16, 661 16 | 3, 353 43 |
| Washington | 91, 485 64 | 500 00 | 90, 985 64 | 91 54 |
| Wayne | 88, 986 46 | 500 00 | 88, 486 46 | ..... |
| Westchester | 360, 340 22 | 2, 000 00 | 358, 340 22 | ..... |
| Wyoming | 55, 027 20 | 500 00 | 54, 527 20 | ..... |
| Yates | 47, 424 68 | 474 25 | 46, 950 43 | ..... |
| | $11, 827, 225 07 | $87, 017 26 | $11, 740, 207 81 | $150, 689 01 |
| Add 1¼ mill school tax | 2, 458, 751 48 | | | |
| Total $7\frac{41}{156}$ mill tax | $14, 285, 976 55 | | | |

## ( XIII. )

### CLERKS IN THE PUBLIC OFFICES.

*Statement showing the amount paid for clerk hire in the Public Offices (except the Canal, Banking and Insurance Departments), during the year ending 30th September, 1871, with additional compensation by the Legislature, and the amount of the present salaries.*

*Governor's Office.*

| | | Amount paid. | Present salary. |
|---|---|---|---|
| Present clerks: | | | |
| E. K. Apgar, salary | $1,600 00 | | |
| Additional | 400 00 | $2,000 00 | $1,600 00 |
| G. Tunnicliff, salary | $1,600 00 | | |
| Additional | 400 00 | | |
| Extra services | 100 00 | 2,100 00 | 1,600 00 |
| A. V. V. Dodge, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| Extra services | 100 00 | 1,720 00 | 1,200 00 |
| E. C. Schaffer, salary, 7 months, 22 days | $963 71 | | |
| Additional | 381 05 | 1,344 76 | 1,500 00 |
| Late clerk: | | | |
| G. P. Ten Broeck, salary 5 months | $666 67 | | |
| Additional | 133 33 | 800 00 | ..... |
| | | $7,964 76 | $5,900 00 |

*Secretary of State's Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| M. M. Jones, salary | $1,500 00 | | |
| Additional | 525 00 | | |
| Extra services | 500 00 | $2,525 00 | $1,500 00 |
| E. N. Hyde, salary | $1,300 00 | | |
| Additional | 455 00 | | |
| Extra services | 125 00 | 1,880 00 | 1,300 00 |
| W. H. Terrell, salary | $1,200 00 | | |
| Additional | 420 00 | 1,620 00 | 1,200 00 |
| J. J. Coleman, salary | $1,200 00 | | |
| Additional | 420 00 | 1,620 00 | 1,200 00 |
| O. E. Brown, salary | $1,191 63 | | |
| Additional | 418 54 | 1,610 17 | 1,200 00 |
| Nelson Taylor, salary | $1,150 00 | | |
| Additional | 402 50 | 1,552 50 | 1,150 00 |
| Carried forward | | $10,807 67 | $7,550 00 |

| | | Amount paid. | Present salary. |
|---|---|---|---|
| Brought forward | | $10,807 67 | $7,550 00 |
| C. W. Van Santvoord, salary | $1,100 00 | | |
| Additional | 385 | | |
| | | 1,485 00 | 1,100 00 |
| Benj'n N. Eastman, salary 7 months 8 days | $653 22 | | |
| Additional | 260 13 | | |
| | | 913 35 | 1,080 00 |
| E. B. O'Callaghan, archivist, salary | $1,500 00 | | |
| Additional | 481 25 | | |
| | | 1,981 25 | 1,500 00 |
| Patrick Reilly, messenger, salary | $783 32 | | |
| Additional | 280 00 | | |
| Extra services | 54 66 | | |
| | | 1,117 98 | 800 00 |
| Late clerk, J. H. Cooney, salary, 9 months | $825 04 | | |
| Additional | 256 68 | | |
| | | 1,081 72 | |
| | | $17,386 97 | $12,030 00 |

*Comptroller's Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| A. J. Chester, salary | $1,800 00 | | |
| Additional | 450 00 | | |
| | | $2,250 00 | $1,800 00 |
| S. W. Park, salary | $1,466 66 | | |
| Additional | 405 00 | | |
| | | 1,871 66 | 1,600 00 |
| Robert Hadfield, salary, 10 months, 17 days | $1,318 55 | | |
| Additional | 505 24 | | |
| | | 1,823 79 | 1,500 00 |
| John Van Dyck, salary | $1,333 32 | | |
| Additional | 472 50 | | |
| | | 1,805 82 | 1,400 00 |
| William D. Strevell, salary | $1,333 32 | | |
| Additional | 472 50 | | |
| | | 1,805 82 | 1,400 00 |
| Francis G. Fine, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| E. S. Marsh, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| Daniel B. Cole, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| Henry S. Taylor, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| Willis E. Merriman, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| Peter H. Diamond, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| Carried forward | | $19,277 09 | $14,900 00 |

| | | Amount paid. | Present salary. |
|---|---|---|---|
| Brought forward | | $19,277 09 | $14,900 00 |
| John F. Allen, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| George B. Fay, salary, 1 month, 14 days | $145 16 | | |
| Additional (2 months and 14 days) | 85 81 | | |
| | | 230 97 | 1,200 00 |
| Charles F. Ainsworth, salary, 25 days | $80 64 | | |
| Additional (1month and 25 days) | 63 22 | | |
| | | 143 86 | 1,200 00 |
| H. C. Van Dyck, salary, 10 months | $883 33 | | |
| Additional | 338 34 | | |
| | | 1,221 67 | 1,000 00 |
| Thomas A. Dillon, salary, 6 months, 24 days | $565 47 | | |
| Additional | 227 08 | | |
| | | 792 55 | 1,000 00 |
| F. A. Van Vranken, messenger, salary | $240 00 | | |
| Additional | 84 00 | | |
| | | 324 00 | 240 00 |
| Late clerks: | | | |
| Joseph L. Snow, salary, 4 months | $600 00 | | |
| Additional | 112 50 | | |
| | | 712 50 | ..... |
| George H. Goodwin, salary, 7 months, 6 days | $720 00 | | |
| Additional | 217 00 | | ..... |
| | | 937 00 | |
| | | $25,259 64 | $20,740 00 |

*Treasurer's Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| Edwin Ellis, salary | $1,950 00 | | |
| Additional | 487 50 | | |
| | | $2,437 50 | $1,950 00 |
| Richard G. Milks, salary | $1,500 00 | | |
| Additional | 525 00 | | |
| | | 2,025 00 | 1,500 00 |
| Edward W. Packard, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| | | $6,082 50 | $4,650 00 |

*Department of Public Instruction, viz.:*

| | | Amount paid. | Present salary. |
|---|---|---|---|
| James C. Brown, salary | $1,750 00 | | |
| Additional | 437 50 | | |
| Extra services | 750 00 | | |
| | | $2,937 50 | $1,750 00 |
| George B. Weaver, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| A. D. Phillips' salary, 11 month 4 days | $1,113 33 | | |
| Additional | 424 67 | | |
| | | 1,538 00 | 1,200 00 |
| G. P. Briggs, salary 6 months, 26 days | $692 86 | | |
| Additional | 279 50 | | |
| | | 972 36 | 1,200 00 |
| Temporary clerk: | | | |
| Addison A. Keyes, salary | $1,426 81 | | |
| Additional | 320 22 | | |
| | | 1,747 03 | ..... |
| | | $8,814 89 | $5,350 00 |

*Attorney-General's Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| Dickinson Courtney, salary | $800 00 | | |
| Additional | 280 00 | | |
| | | $1,080 00 | $800 00 |
| Samuel M. Russell, salary | $600 00 | | |
| Additional | 210 00 | | |
| | | 810 00 | 600 00 |
| | | $1,890 00 | $1,400 00 |

*Clerk of the Court of Appeals Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| F. S. Perrin, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | $1,620 00 | $1,200 00 |
| R. M. Barber, salary | $1,100 00 | | |
| Additional | 385 00 | | |
| | | 1,485 00 | 1,100 00 |
| Charles Elmore, salary | $1,200 00 | | |
| Additional | 420 00 | | |
| | | 1,620 00 | 1,200 00 |
| | | $4,725 00 | $3,500 00 |

*State Engineer and Surveyor's Office.*

| | | | |
|---|---|---|---|
| Present clerks: | | | |
| B. S. Van Rensselaer, salary | $1,500 00 | | |
| Additional | 525 00 | | |
| | | $2,025 00 | $1,500 00 |
| Thomas J. Bishop | $1,350 00 | | |
| Additional | 472 50 | | |
| | | 1,822 50 | 1,350 00 |
| | | $3,847 50 | $2,850 00 |

## ( XIV. )

### ESTIMATED APPROPRIATIONS

*Required for the expenses of Government, and for other purposes, in pursuance of article 7, section 8, of the Constitution and existing laws, for the fiscal year commencing on the 1st day of October*, 1872.

(In all cases where the Revised Statutes are referred to, see 5th edition.)

### PAYABLE FROM THE GENERAL FUND.

*Executive Department, viz.:*

| | |
|---|---|
| Governor, for salary, R. S., volume 1, page 505 | $4,000 00 |
| Private secretary to the Governor, for salary, chap. 64, Laws of 1858. | 2,000 00 |
| Compensation of clerks and messenger in the executive department, chapter 645, Laws of 1869 | 5,600 00 |
| For expenses of the house occupied by the Governor | 5,000 00 |
| For incidental expenses of the government, R. S., volume 1, page 509 | 2,500 00 |
| For apprehension of criminals, R. S., volume 1, page 509 | 1,000 00 |
| For apprehension of fugitives from justice, R. S. volume 1, page 509. | 1,000 00 |

*Court of Appeals, viz.:*

| | |
|---|---|
| Judges of the court of appeals, for salaries and expenses, chapter 203, Laws of 1870, and chapter 718, Laws of 1871 | 63,500 00 |
| Commissioners of appeals, for salaries, chapter 203, Laws of 1870 | 35,000 00 |
| State reporter, for salary, chapter 698, Laws of 1869 | 3,500 00 |
| Clerk of the court of appeals, for salary, chapter 718, Laws of 1871 | 5,000 00 |
| Deputy clerk of the court of appeals, for salary, ch. 281, Laws of 1870 | 2,000 00 |
| Clerks in the office of the clerk of the court of appeals, for salaries, chapter 645, Laws of 1869 | 3,500 00 |
| For furniture, books, binding, blanks, printing calendar, and other necessary expenses of the office of the clerk of the court of appeals, chapter 645, Laws of 1869 | 2,500 00 |
| For compensation of criers and attendants for the court of appeals and commission of appeals, chapter 95, Laws of 1864, and chapter 203, Laws of 1870, and chapter 238, Laws of 1871 | 5,000 00 |
| Clerk of the commission of appeals, for salary, ch. 203, Laws of 1870 | 3,500 00 |
| For compensation of clerk and messenger and office expenses | 2,100 00 |

*Supreme Court, viz.:*

| | |
|---|---|
| Justices of the supreme court, for salaries, chapter 408, Laws of 1870 | 198,000 00 |
| Compensation of justices of the supreme court and stenographers, in pursuance of chapter 765, Laws of 1868 | 10,000 00 |
| For expenses of the commissioners of appeals and justices of the supreme court, chapter 408, Laws of 1870 | 20,000 00 |
| Expenses of general terms supreme court, chapter 408, Laws of 1870. | 10,000 00 |

*Attorney-General's Office, viz.:*

| | |
|---|---|
| Attorney-General, for salary, R. S., volume 1, page 505 | 2,000 00 |
| Deputy Attorney-General, for salary, chapter 645, Laws of 1869 | 2,000 00 |
| Carried forward | $388 700 00 |

| | |
|---|---|
| Brought forward | $388,700 00 |
| Clerk and messenger in the office of the Attorney-General, for salaries, chapter 645, Laws of 1869 | 1,400 00 |
| For furniture, books, binding, blanks, printing, and other necessary expenses of the office of the Attorney-General, chapter 645, Laws of 1869 | 500 00 |
| For costs of suits, fees of sheriffs, compensation of witnesses, and for expenses and disbursements by the Attorney-General, R. S., volume 3, page 930 | 2,000 00 |
| For compensation of counsel employed to assist the Attorney-General R. S., volume 1, page 489 | 3,000 00 |
| For compensation and expenses of the Attorney-General, R. S., volume 1, page 487 | 1,000 00 |
| *Secretary of State's Office, viz.:* | |
| Secretary of State, for salary, R. S., volume 1, page 505 | 2,500 00 |
| Deputy Secretary of State and clerk of the Commissioners of the Land Office, for salary, chapter 645, Laws of 1869 | 2,000 00 |
| Clerks in the Secretary of State's office, for salaries | 10,000 00 |
| Messenger in the Secretary of State's office, for salary | 800 00 |
| For translator in the Secretary of State's office, for salary, chapter 539, Laws of 1865 | 1,500 00 |
| For furniture, books, binding, blanks, printing and other necessary expenses of the Secretary of State's office | 2,000 00 |
| *Comptroller's Office, viz.:* | |
| Comptroller, for salary, R. S., volume 1, page 505 | 2,500 00 |
| Deputy Comptroller, for salary, R. S., volume 1, page 505 | 2,000 00 |
| Accountant and transfer officer of the Comptroller's office, for salary, chapter 281, Laws of 1870 | 2,000 00 |
| Clerks in the office of the Comptroller, for salaries | 20,000 00 |
| Messenger in the office of the Comptroller, for salary | 500 00 |
| For furniture, books, binding, blanks, printing and other necessary expenses of the office of the Comptroller, chapter 280, Laws of 1864 | 1,200 00 |
| *Treasurer's Office, viz.:* | |
| Treasurer for salary, R. S., volume 1, page 505, $1,500 and for compensation for countersigning trasfers and assignments of securities made in the Banking Department, R. S., volume 1, page 505, $1,000 | 2,500 00 |
| Deputy Treasurer, for salary, chapter 645, Laws of 1869 | 2,000 00 |
| Clerks in the office of the Treasurer, for salaries, chapter 645, Laws of 1869 | 5,000 00 |
| For furniture, books, binding, blanks, printing and other necessary expenses of the office of the Treasurer, chapter 645, Laws of 1869 | 800 00 |
| *Department of Public Instruction, viz.:* | |
| Superintendent of Public Instruction, for salary, R. S., volume 1, page 505 | 2,500 00 |
| Deputy Superintendent of Public Instruction, for salary, R. S., volume 1, page 505 | 1,500 00 |
| Carried forward | $457,900 00 |

| | |
|---|---|
| Brought forward | $457,900 00 |
| Clerks in the office of the Superintendent of Public Instruction, for salaries, chapter 645, Laws of 1869 | 6,000 06 |
| For expenses of the Superintendent of Public instruction, chapter 645 Laws of 1869 | 500 00 |
| For furniture, books, binding, blanks, printing and other necessary expenses of the office of the Superintendent of Public Instruction, chapter 280, Laws of 1864 | 1,000 00 |
| *State Engineer and Surveyor's Office, viz.:* | |
| Deputy State Engineer and Surveyor, for salary, R. S., volume 1, page 506, $2,000; for clerk hire to assist in the preparation of railroad reports, $1,800, and for expenses of printing and binding said reports, $5,000 (to be refunded by the several railroad companies) | 8,800 00 |
| Clerks in the office of the State Engineer and Surveyor, for salaries, chapter 280, Laws of 1864 | 2,850 00 |
| For furniture, books, binding, blanks, printing and other necessary expenses of the office of the State Engineer and Surveyor, chapter 280, Laws of 1864 | 500 00 |
| *Banking Department, viz.:* | |
| Superintendent of the Banking Department, for salary, $5,000, Revised Statutes, volume 2, page 590; clerk hire, furniture, books, binding, blanks, printing and other necessary expenses of the office of the Superintendent of the Banking Department, $15,000 (to be refunded to the treasury), chapter 164, Laws of 1851 | 20,000 00 |
| *Insurance Department, viz.:* | |
| Superintendent of the Insurance Department, for salary, $7,000, chapter 326, Laws of 1861, and chapter 732, Laws of 1868; clerk hire, furniture, books, binding, blanks, printing and other necessary expenses of the Insurance Department, $53,000 (to be refunded to the treasury), chapter 366, Laws of 1859 | 60,000 00 |
| *State Assessors, viz.:* | |
| For compensation and traveling expenses of the State Assessors, chapter 312, Laws of 1859 | 4,500 00 |
| *Commissioners of Public Accounts, viz.:* | |
| For compensation and mileage of the Commissioners of Public Accounts, chapter 223, Laws of 1862 | 1,500 00 |
| *Inspector of Gasmeters, viz.:* | |
| For salary of Inspector of Gasmeters, and for his contingent expenses, chapter 116, Laws of 1860 (to be repaid to the treasury by the several gas-light companies), chapter 311, Laws of 1859 | 2,500 00 |
| *Quarantine Commissioners, viz.:* | |
| For salaries | 7,500 00 |
| *Inspector of Steam Boilers, viz.:* | |
| For salary and expenses | 7,500 00 |
| Carried forward | $581,050 00 |

| | |
|---|---|
| Brought forward | $581,050 00 |
| *Auctioneers' Accounts, viz.:* | |
| For compensation of the agent to examine the accounts of auctioneers, Revised Statutes, volume 2, page 467, and chapter 547, Laws of 1866 | 1,200 00 |
| *Weights and Measures, viz.:* | |
| Superintendent of Weights and Measures, for salary | 500 00 |
| *Land Office, viz.:* | |
| For assessments and other expenses of public lands, and for the compensation and mileage of the Lieutenant-Governor and Speaker of the Assembly, for attendance as Commissioners of the Land Office. | 2,000 00 |
| *Public Offices, viz.:* | |
| For postage on official letters, documents, etc., of the Governor, Secretary of State, Comptroller, Treasurer, Superintendent of Public Instruction, Attorney-General, State Engineer and Surveyor, Adjutant-General, Inspector-General and Clerk of the Court and Commission of Appeals | 5,000 00 |
| For stationery for the public offices, R. S., volume 1, page 480 | 5,000 00 |
| *Capitol, viz.:* | |
| For repairs, cleaning, labor, gas, and other necessary expenses of the Capitol | 10,000 00 |
| Superintendent of the Capitol, for salary | 900 00 |
| *State Hall, viz.:* | |
| For repairs, cleaning, labor, gas, and other necessary expenses of the State Hall | 5,000 00 |
| Superintendent of the State Hall, for salary | 900 00 |
| *Regents of University, viz.:* | |
| Secretary of the regents, for salary | 2,000 00 |
| Assistant secretary, for salary | 1,000 00 |
| For compensation of botanist | 1,500 00 |
| For expenses of postage, printing, stationery, and compensation of a messenger | 2,500 00 |
| *State Library, viz.:* | |
| For purchase of books | 4,000 00 |
| For binding, lettering and marking books | 1,700 00 |
| For repairs, cleaning, gas, transportation of books, and other necessary expenses of the State Library | 1,000 00 |
| For the salaries of the librarians and assistants | 4,500 00 |
| For compensation of the jantior of the State Library | 700 00 |
| *Hall for the State Cabinet of Natural History and the Agricultural Museum, viz.:* | |
| For the State Cabinet of Natural History, chapter 557, Laws of 1870, | 10,000 00 |
| For repairs, cleaning, labor, gas, fuel, and other necessary expenses, including the keeper's compensation of the hall, for the State Cabinet of Natural History | 3,500 00 |
| Carried forward | $643 950 00 |

| | | |
|---|---|---|
| Brought forward | | $643,950 00 |
| *Fuel, viz.:* | | |
| For fuel for the Capitol, the State Hall and the State Library | | 5,000 00 |
| *Agriculture, viz.:* | | |
| For donations to the societies in the several counties of this State, and the State Society for the Promotion of Agriculture | | 20,000 00 |
| For salary of the entomologist of the State society | | 1,000 00 |
| *Legislature, viz.:* | | |
| For compensation and mileage of members and officers of the Legislature | | 90,000 00 |
| For advances to the clerks of the Senate and Assembly, for contingent expenses | | 20,000 00 |
| For postage, expenses of committees, compensation of witnesses, Legislative Manual, Croswell's Manual, Clerk's Manual, and other contingent expenses of the Legislature | | 18,000 00 |
| *State Printing, viz.:* | | |
| For the legislative printing for the State, including binding, mapping, engraving, publication of the official canvass and other official notices, chapter 24, Laws of 1846, and chapter 254, Laws of 1847 | | 175,000 00 |
| *State Prisons, etc., viz.:* | | |
| Inspectors of State Prisons, for salaries, R. S., volume 1, page 506 | $4,800 00 | |
| For traveling expenses, $600 each | 1,800 00 | |
| | | 6,600 00 |
| For the support and maintenance of the several State prisons and for material and expense of manufacturing, chapter 240, Laws of 1854, and chapter 43, Laws of 1865 | | 600,000 00 |
| For compensation of sheriffs for the transportation of convicts to the prisons, asylum for insane convicts, houses of refuge and penitentiaries, chapter 123, Laws of 1846, chapter 158, Laws of 1856, and chapter 665, Laws of 1871 | | 20,000 0 |
| For supplying Croton water to the Sing Sing prison, chapter 282, Laws of 1861 | | 1,500 00 |
| For supply of water for Auburn prison and Asylum for Insane Convicts | | 1,500 00 |
| For the maintenance of convicts sentenced to penitentiaries, in pursuance of chapter 158, Laws of 1856, chapter 584, Laws of 1865, and chapter 667, Laws of 1866 | | 10,000 00 |
| For refunding to prison contractors deposits, in pursuance of chapter 465, Laws of 1863 | | 2,000 00 |
| *Asylum for Insane Convicts, viz.:* | | |
| For support and maintenance of the Asylum for Insane Convicts, chapter 130, Laws of 1858 | | 16,000 00 |
| *State Lunatic Asylum, viz.:* | | |
| For salaries of the officers of the State Asylum for Lunatics, chapter 135, Laws of 1842, and chapter 595, Laws of 1867 | | 11,000 00 |
| For the support of Mark Jack, an insane Indian at the asylum | | 250 00 |
| Carried forward | | $1,641,800 00 |

| | |
|---|---|
| Brought forward | $1,641,800 00 |
| For the support of insane female convicts at the State Lunatic Asylum | 600 00 |
| *Indian Affairs, viz.:* | |
| For relief of the Onondaga Indians, chapter 206, Laws of 1858 | 300 00 |
| For compensation of the agent of the Onondaga Indians, chapter 228, Laws of 1843, chapter 376, Laws of 1851, and chapter 281, Laws of 1870 | 200 00 |
| For compensation of the agent of the Onondaga Indians, chapter 178, Laws of 1847, and chapter 635, Laws of 1869 | 65 00 |
| For compensation of the agent of the Onondaga Indians on the Allegany and Cattaraugus Reservations, chapter 233, Laws of 1857, and chapter 73, Laws of 1858 | 150 00 |
| For compensation of the attorney of the St. Regis Indians, chapter 325, Laws of 1861 | 150 00 |
| For compensation of the attorney of the Seneca Indians, chapter 150, Laws of 1845 | 150 00 |
| For compensation of the attorney for the Tonawanda band of Seneca Indians, chapter 839, Laws of 1867 | 300 00 |
| For expenses of removing intruders on Indian lands, chapter 204, Laws of 1821 | 200 00 |
| *Onondaga Salt Springs, viz.:* | |
| For salary of the superintendent, compensation of clerks and other persons employed, and other necessary expenses of the Onondaga Salt Springs, chapter 346, section 36, Laws of 1859 | 56,000 00 |
| *Militia of the State, viz.:* | |
| For expenses of the National Guard of the State of New York, in pursuance of chapter 447, Laws of 1862 | 200,000 00 |
| *Roads, viz.:* | |
| For payments to commissioners of moneys received into the treasury for taxes on lands of non-residents, appropriated to the construction of roads | 6,000 00 |
| *Interest on State Indebtedness, viz.:* | |
| For interest on the debt of $36,000, created for the benefit of the Stockbridge Indians, chapter 208, Laws of 1848, and chapter 37, Laws of 1850 | 2,160 00 |
| *County Treasurers, viz.:.* | |
| For advances to county treasurers on account of taxes on property of non-residents, which may be returned to the Comptroller's office | 60,000 00 |
| *Transportation, viz.:* | |
| For expenses of transportation of the Session Laws, journals and documents of the Legislature, reports, books, etc., and packages by express for the public offices, and for expenses of boxes, chapter 254, Laws of 1847 | 5,000 00 |
| Carried forward | $1,973,075 00 |

| | |
|---|---|
| Brought forward | $1,973,075 00 |
| *Repayment of Moneys, viz.:* | |
| For repayment of money to purchasers for redemption of land sold for taxes | 50,000 00 |
| For repayment of money erroneously paid into the treasury for taxes, | 10,000 00 |
| For repayment of money in cases of failure of title to lands sold by the State, R. S., volume 1, page 541 | 300 00 |
| For repayment of money paid into the treasury through mistake, R. S., page 479 | 500 00 |
| *Miscellaneous, viz.:* | |
| For supplying other States with reports of the court of appeals, and of the supreme court, chapter 536, Laws of 1836 | 500 00 |
| For expenses of books and stationery for the transfer office, at the Manhattan Company, New York | 250 00 |
| For compensation of agent in the city of New York, to superintend the issue and transfer of State stock, chapter 200, Laws of 1866 | 750 00 |
| For supplying the "Radii" to the deaf and dumb persons in this State, chapter 329, Laws of 1839 | 500 00 |
| For the compensation of the keeper of Washington's Head-quarters | 100 00 |
| For expenses of the board of pilot commissioners, New York | 4,500 00 |
| *Deaf and Dumb, viz.:* | |
| For support and instruction of 350 pupils at the Institution for Deaf and Dumb, New York, chapter 97, Laws of 1852, or a proportionate amount for a shorter period of time than one year, or for a smaller number of pupils, as shall be duly verified by affidavits of the president and secretary of the institution | 105,000 00 |
| For the Institution for the Improved Instruction of Deaf-Mutes, New York, chapter 555, Laws of 1864, and chapter 180, Laws of 1870, $6,900, or so much thereof as may be necessary | 6,900 00 |
| *Blind, viz.:* | |
| For the support and instruction of 150 pupils at the Institution for the Blind, in New York, or a proportionate amount for a shorter period of time than one year, or for a smaller number of pupils, as shall be duly verified by affidavits of the president and secretary of the institution | 45,000 00 |
| *Juvenile Delinquents, viz.:* | |
| For the Society for the Reformation of Juvenile Delinquents in the city of New York | 40,000 00 |
| *House of Refuge, viz.:* | |
| For the House of Refuge, western New York | 35,000 00 |
| *Idiot Asylum, viz.:* | |
| For the State Asylum for Idiots, Syracuse | 25,000 00 |
| *Willard Asylum for the Insane, viz.:* | |
| For maintenance | 20,000 00 |
| *Institution for the Blind, Batavia, viz.:* | |
| For maintenance | 35,000 00 |
| Carried forward | $2,352,375 00 |

| | | |
|---|---|---|
| Brought forward | | $2,352,375 00 |
| *State Commissioners of Public Charities, viz.:* | | |
| For salary of secretary, expenses of commissioners, secretary and office contingencies | | 5,000 00 |
| Total on account of the General Fund | | $2,357,375 00 |
| PAYABLE FROM THE FREE SCHOOL FUND, VIZ.: | | |
| For support of the common schools of the State, or so much of the amount as shall be received from the one and one-fourth mill tax in 1872, in pursuance of chapter 406, Laws of 1867 | | 2,560,000 00 |
| PAYABLE FROM THE GENERAL FUND DEBT SINKING FUND, VIZ.: | | |
| For interest on $3,829,831.53 of the General Fund State Debt | | 199,190 52 |
| For payment of the annuities to the several Indian tribes, viz.: | | |
| Onondagas | $2,430 00 | |
| Cayugas | 2,300 00 | |
| Senecas | 500 00 | |
| St. Regis | 2,131 67 | |
| | | 7,361 67 |
| PAYABLE FROM SCHOOL FUND, VIZ.: | | |
| *Capital, viz.:* | | |
| For investment, in pursuance of chapter 194, Laws of 1849, $50,000, or so much thereof as may be necessary | | 50,000 00 |
| *Revenue, viz.:* | | |
| For dividends to common schools, R. S., volume 1, page 538 | | 170,000 00 |
| For support of Indian schools, chapter 71, Laws of 1856 | | 4,000 00 |
| For refunding money paid into the treasury for redemption of lands sold for arrears of consideration, chapter 457, Laws of 1836 | | 500 00 |
| For refunding surplus moneys received on resales of lands, R. S., volume 1, page 496 | | 500 00 |
| For expenses of lands, R. S., volume 1, page 554 | | 200 00 |
| PAYABLE FROM THE LITERATURE FUND, VIZ.: | | |
| For dividends to the academies, chapter 237, Laws of 1838 | | 12,000 00 |
| For the purchase of text-books, maps and globes, philosophical and chemical apparatus for the academies, R. S., volume 2, page 72 | | 3,000 00 |
| PAYABLE FROM THE UNITED STATES DEPOSIT FUND, VIZ.: | | |
| *Capital, viz.:* | | |
| For investment in pursuance of chapter 150, Laws of 1837 ($100,000), or so much thereof as may be necessary | | 100,000 00 |
| *Revenue, viz.:* | | |
| For dividends to common schools, chapter 237, Laws of 1838, including the salaries of the county school commissioners, chapter 179, Laws of 1856 | | 150,000 00 |
| For dividends to academies, chapter 237, Laws of 1838 | | 28,000 00 |
| For amount to be added to the capital of the School Fund (article 9 of the Constitution) | | 25,000 00 |
| Carried forward | | $5,667,127 19 |

| | |
|---|---|
| Brought forward | $5,667,127 19 |
| For instruction of common school teachers in the academies designated by the Regents of the University, chapter 235, Laws of 1852... | 18,000 00 |
| For refunding money erroneously paid into the treasury, R. S., volume 1, page 479 | 500 00 |
| PAYABLE FROM THE BOUNTY DEBT SINKING FUND. | |
| For investment of contribution to the Sinking Fund, and payment of interest on the State indebtedness incurred in pursuance of chapters 226 and 325, Laws of 1865, henceforth to be known and designated as the Bounty Debt ($4,100,000), or so much thereof as may be necessary | 4,100,000 00 |
| PAYABLE FROM THE COLLEGE LAND SCRIP FUND. | |
| *Revenue, viz.:* | |
| For the Cornell University, pursuant to chapter 585, Laws of 1865... | 35,000,00 |
| PAYABLE FROM THE CORNELL ENDOWMENT FUND. | |
| *Revenue, viz.:* | |
| For the Cornell University, pursuant to chapter 554, Laws of 1868... | 10,000 00 |
| PAYABLE FROM THE MILITARY RECORD FUND. | |
| *Revenue, viz.:* | |
| For expenses of the Bureau of Military Statistics | 3,000 00 |
| PAYABLE FROM THE ELMIRA FEMALE COLLEGE EDUCATIONAL FUND. | |
| *Revenue, viz.:* | |
| For the Elmira Female College, chapter 643, Laws of 1867 | 3,500 00 |
| | $9,837,127 19 |

## (XV.)

### SCHEDULE OF THE DUTIES

*Paid by the several auctioneers in the State during the year ending September 30th, 1871, viz.:*

| | | |
|---|---|---|
| Brooklyn | William Cole | $66 44 |
| | Joseph Hegeman | 11 80 |
| | Thomas W. Lindsay | 31 34 |
| Ithaca | William W. Rainey | 25 30 |
| New York | William Abbott | 27 51 |
| | John H. Austin | 511 27 |
| | Charles W. Barker | 1 33 |
| | John S. Betts | 495 93 |
| | Jacob Bogart | 3 19 |
| | Edward M. Brown | 232 40 |
| | Daniel H. Burdett | 48 15 |
| | Z. E. Carrington | 21,470 01 |
| | James Cagney | 9 70 |
| | David Clarkson, Jr | 34 45 |
| | Aaron Cristalor | 28 10 |
| | Alexander M. Christalor | 84 83 |
| | John H. Draper | 37 70 |
| | Richard Field | 12 86 |
| | John R. Foley | 7 01 |
| | Samuel B. Goodale | 16 50 |
| | Henry H. Gordon | 8,400 64 |
| | Daniel J. Greenough | 10 92 |
| | George G. Haydock | 668 11 |
| | R. T. Hazell | 265 52 |
| | Simon Herman | 216 82 |
| | Henry B. Herts, Jr | 59 24 |
| | William O. Hoffman & Co | 317 13 |
| | Edward E. Hoyt | 1,006 85 |
| | Francis E. Hunt | 117 89 |
| | John C. Jeffries | 15,590 67 |
| | Archibald Johnson | 15 94 |
| | Townsend Jones | 329 63 |
| | Frank T. Keeler | 5 64 |
| | George A. Leavitt | 528 93 |
| | Philip Levy | 6 20 |
| | Daniel A. Mathews | 70 53 |
| | Andrew Merwin | 56 08 |
| | Allen B. Miner | 250 42 |
| | William S. Mount | 12,033 69 |
| | Richard Orr | 57 |
| | James A. Punderford | 4 27 |
| | Edward Schenck | 49 97 |
| | Joseph Shongood | 21 |
| Carried forward | | $63,161 69 |

| | | |
|---|---|---|
| Brought forward | | $63,161 69 |
| New York | Benjamin H. Seixas | 68 18 |
| | Isadore J. Swarzkoph | 2 16 |
| | William Topping | 2,564 11 |
| | P. S. Van Houton | 5 68 |
| | Alfred West, Jr | 3 75 |
| | James Williams | 18,713 29 |
| | Frederick G. Wolbert | 15,657 76 |
| Ogdensburgh | C. S. Mastin | 90 |
| Oswego | Hiram Allen | 2 56 |
| Rochester | Edwin Scranton | 1 80 |
| Schenectady | Jesse C. Abbott | 9 50 |
| Syracuse | Melvin O. Smith | 87 |
| Troy | William Allendorp | 1 15 |
| | William E. Marsten | 3 48 |
| | | $100,196 88 |

## (XVI.)

OFFICE OF THE SUPERINTENDENT OF THE ONONDAGA SALT SPRINGS,
SYRACUSE, *October 9th*, 1871.

Hon. A. P. NICHOLS, *Comptroller of the State of New York:*

SIR.—The thirteenth section of chapter 346 of the Laws of 1859 requires that "The superintendent, at the expiration of each fiscal year, ending on the 30th day of September, or within ten days thereafter, make a report to the Comptroller, stating the quantity of salt inspected during the previous year, the amount of revenues accruing thereon and from other sources, the expenditures, and the amount which, in his judgment, will be necessary for the support of the salt springs for the ensuing year."

In obedience with this requirement of the law, I beg leave to report that the quantity of salt inspected the last fiscal year was 8,579,193 bushels.

| | |
|---|---|
| The revenue accruing thereon was | $85,791 93 |
| The expenditures made by the superintendent | 59,135 14 |
| Leaving surplus revenue | $26,656 79 |

The amount drawn from the treasury by the superintendent during the fiscal year was $60,000.

In addition to this amount there was in the hands of the superintendent at the beginning of the last fiscal year, the sum of $50.58, and there is now unexpended and in the hands of the superintendent the sum of $915.44, applicable to the payment of expenses for the fiscal year just commenced.

The books in the Comptroller's office show only the expenditures up to the month of September. The vouchers for the expenditures for that month, which amount to $4,714, will not be sent to that office until the first day of November, when the regular settlement for the two months, September and October, will be made, as provided by law.

The expenditures for the last fiscal year exceed the expenditures for the previous fiscal year $4,446.24. This increase has been caused by the construction of a new pump-house, and the furnishing of a turbine-wheel and other machinery. In addition, about $4,000 was expended in drilling and tubing two wells which proved to be failures; one at the depth of 396 feet, and the other 412 feet, at which point the red sand-stone was reached. These wells were drilled in the vicinity of the De Wolf well in accordance with the recommendation of the late superintendent.

The appropriation made for the present fiscal year will enable us to sink two or more new wells, besides meeting the legitimate expenses of the office for salaries, labor, pump-logs, etc.

I herewith annex my estimate for expenditures for the next fiscal year, commencing October 1, 1872:

Estimate.

| | |
|---|---|
| Salaries of officers | $22,000 |
| New lines and repairs of aqueducts | 5,000 |
| New wells | 6,000 |
| Repairs for machinery | 3,000 |
| New pumps | 2,000 |
| Labor and teaming | 7,000 |
| Merchandise, oil, printing and stationery | 2,500 |
| Fuel for steam engines | 2,000 |
| Lumber and miscellaneous | 1,500 |
| New roofing reservoirs at Salina, Geddes and Syracuse | 5,000 |
| | $56,000 |

The items of the foregoing estimate of $56,000 are as nearly divided among the various branches of expenditures as is practicable at this distance of time.

The item of $5,000, to new roof the reservoirs, is absolutely necessary in order to protect the valuable property of the State from going to decay, as at this time the shingles on all the old structures are nearly gone.

You will observe that there is no item for rents; but being collected too late for the report of the fiscal year, will appear in my annual report.

Respectfully submitted.

J. W. STRONG,
*Superintendent Onondaga Salt Springs*

## (XVII.)

### COST OF STATIONERY

*Delivered to the public offices, etc., for the fiscal year ending September* 30, 1871, *viz.:*

| | |
|---|---|
| Adjutant-General's office | $371 22 |
| Attorney-General's office | 139 43 |
| Canal department (Auditor) | 175 65 |
| Canal Commissioners | 211 07 |
| Commissioners of Public Charities | 59 34 |
| Clerk of the Court of Appeals and judges of the court | 1,256 04 |
| Clerk of the Commission of Appeals and judges of the court | 212 43 |
| Comptroller's office | 413 41 |
| Department of Public Instruction | 219 04 |
| Executive department | 608 71 |
| Secretary of State's office | 827 84 |
| State Engineer and Surveyor's office | 285 12 |
| Treasurer's office | 100 11 |
| | $4,879 41 |

( XVIII. )

*SCHEDULE showing the amount of town, county, school and State taxes, and the rate of taxation on each dollar of the aggregate valuations for the year* 1871, *as fixed by the Board of Equalization, from the returns to the Comptroller's office for* 1870 ; *and the aggregate of said equalized valuations of real and personal property in the several counties of this State.* (*For valuations of* 1871, *returned to the Comptroller's office, see Schedule XIX.*)

| COUNTIES. | Aggregate equalized valuations. | Town taxes. | County taxes. | 1¼ mill school tax. | 4 49-120 mill State tax. | Aggregate taxation. | Rate of tax on $1 valuation in cents. |
|---|---|---|---|---|---|---|---|
| Albany | $46,092,347 | $612,446 72 | $501,678 02 | $57,615 43 | $203,190 43 | $1,374,930 60 | 2.98 |
| Allegany | 8,839,673 | 35,888 94 | 38,384 56 | 11,049 59 | 38,968 23 | 124,291 32 | 1.4 |
| Broome | 7,797,186 | 33,552 11 | 96,771 06 | 9,746 48 | 34,372 60 | 174,442 25 | 2.24 |
| Cattaraugus | 8,555,437 | 46,062 93 | 29,060 60 | 10,694 30 | 37,715 21 | 123,533 04 | 1.44 |
| Cayuga | 21,068,698 | 111,338 97 | 49,786 28 | 26,335 87 | 92,877 85 | 280,338 97 | 1.33 |
| Chautauqua | 16,854,445 | 81,543 98 | 66,521 30 | 21,068 06 | 74,300 01 | 243,433 35 | 1.44 |
| Chemung | 9,231,812 | 66,873 16 | 60,763 33 | 11,539 77 | 40,696 90 | 179,873 16 | 1.95 |
| Chenango | 11,795,655 | 173,789 33 | 52,484 72 | 14,744 57 | 51,999 18 | 293,017 80 | 2.48 |
| Clinton | 6,163,980 | 74,683 11 | 51,652 00 | 7,704 97 | 27,172 88 | 161,212 96 | 2.62 |
| Columbia* | 21,358,103 | 78,235 83 | 96,841 79 | 26,697 63 | 94,153 64 | 295,928 89 | 1.31 |
| Cortland | 7,734,993 | 40,434 04 | 28,810 28 | 9,668 74 | 34,098 43 | 113,011 49 | 1 46 |
| Delaware | 9,123,092 | 111,315 36 | 42,500 00 | 11,403 86 | 40,217 64 | 205,436 86 | 2.25 |
| Dutchess* | 34,152,251 | 122,399 91 | 124,282 15 | 42,690 31 | 150,554 51 | 439,926 88 | 1.28 |
| Erie | 51,547,591 | 164,547 91 | 250,004 29 | 64,434 49 | 227,238 96 | 706,225 65 | 1.37 |
| Essex | 5,443,397 | 71,152 51 | 22,173 16 | 6,804 25 | 23,996 30 | 124,126 22 | 2.28 |
| Franklin | 5,780,795 | 27,174 26 | 30,784 34 | 7,225 99 | 25,483 68 | 90,668 27 | 1.57 |
| Fulton | 3,785,542 | 33,595 17 | 53,259 74 | 4,731 93 | 16,687 93 | 108,274 77 | 2.86 |
| Genesee | 14,177,926 | 26,888 32 | 27,893 31 | 17,722 41 | 62,501 02 | 135,005 06 | 0.95 |
| Greene | 6,116,054 | 40,488 11 | 81,607 35 | 7,645 07 | 26,961 60 | 156,702 13 | 2.56 |
| Hamilton* | 747,160 | 17,248 13 | 6,847 02 | 933 95 | 3,293 73 | 28,322 83 | 3.79 |
| Herkimer* | 9,089,064 | 79,156 13 | 53,218 54 | 11,361 33 | 40,067 62 | 183,803 62 | 2.02 |
| Jefferson | 14,542,550 | 86,601 90 | 221,021 78 | 18,178 19 | 64,108 41 | 389,910 28 | 2.68 |
| Kings | 188,433,043 | 3,543,206 53 | 1,272,699 84 | 235,541 30 | 830,675 67 | 5,882,123 34 | 3.12 |
| Lewis | 3,932,377 | 38,965 44 | 31,333 96 | 4,915 47 | 17,335 23 | 92,550 10 | 2.35 |
| Livingston | 16,202,529 | 48,609 11 | 50,973 12 | 20,253 16 | 71,426 15 | 191,261 54 | 1.18 |
| Madison | 11,527,257 | 114,455 50 | 41,738 41 | 14,409 07 | 50,815 99 | 221,418 97 | 1.92 |
| Monroe | 25,806,316 | 63,515 34 | 457,462 27 | 32,257 89 | 113,762 85 | 666,998 35 | 2.58 |
| Montgomery* | 7,571,069 | 101,007 20 | 97,660 48 | 9,463 84 | 33,375 79 | 241,507 31 | 3.19 |
| New York | 1,015,325,359 | † | 17,617,188 29 | 1,269,156 70 | 4,475,892 62 | 23,362,237 61 | 2.17 |
| Niagara | 14,882,329 | 27,342 81 | 136,828 29 | 18,602 91 | 65,606 27 | 248,380 28 | 1.67 |
| Oneida* | 29,748,360 | 156,326 94 | 128,096 61 | 37,185 45 | 131,140 69 | 452,749 69 | 1.52 |
| Onondaga | 34,540,429 | 140,529 25 | 282,504 10 | 43,175 54 | 152,265 72 | 618,465 61 | 1.79 |
| Ontario | 19,445,759 | 40,396 82 | 87,240 08 | 24,307 20 | 85,723 39 | 237,667 49 | 1.22 |
| Orange | 30,914,407 | 230,234 18 | 98,872 86 | 38,643 01 | 136,281 01 | 504,031 03 | 1.63 |

XXVIII—(*Continued.*)

| COUNTIES. | Aggregate equalized valuations. | Town taxes. | County taxes. | 1¼ mill school tax. | 4 49-120 mill State tax. | Aggregate taxation. | Rate of tax on $1 valuation in cents. |
|---|---|---|---|---|---|---|---|
| Orleans | $10, 671, 701 | $14, 358 20 | $38, 816 49 | $13, 329 63 | $47, 044 41 | $113, 558 73 | 1.06 |
| Oswego | 15, 165, 135 | 203, 924 12 | 140, 553 39 | 18, 956 42 | 66, 852 97 | 430, 286 90 | 2.84 |
| Otsego | 12, 748, 419 | 88, 052 37 | 118, 234 53 | 15, 935 52 | 56, 199 28 | 278, 421 70 | 2.18 |
| Putnam* | 5, 606, 268 | 22, 184 12 | 9, 567 74 | 7, 007 83 | 24, 714 30 | 63, 473 99 | 1.13 |
| Queens* | 25, 141, 595 | 272, 015 60 | 172, 003 90 | 31, 426 99 | 110, 832 54 | 586, 279 03 | 2.33 |
| Rensselaer* | 30, 516, 528 | 81, 765 79 | 200, 685 23 | 38, 145 66 | 134, 527 03 | 455, 123 71 | 1.49 |
| Richmond* | 7, 911, 961 | 68, 525 91 | 184, 531 13 | 9, 889 95 | 34, 878 56 | 297, 625 55 | 3.76 |
| Rockland | 6, 882, 513 | 37, 439 34 | 21, 757 20 | 8, 603 14 | 30, 340 41 | 98, 140 09 | 1.43 |
| Saratoga | 12, 765, 966 | 182, 601 53 | 82, 871 17 | 15, 957 46 | 56, 276 63 | 337, 706 79 | 2.64 |
| Schenectady | 5, 551, 080 | 70, 616 00 | 36, 654 09 | 6, 938 85 | 24, 471 01 | 138, 679 95 | 2.5 |
| Schoharie | 6, 043, 821 | 67, 923 85 | 60, 314 27 | 7, 554 78 | 26, 643 17 | 162, 436 07 | 2.69 |
| Schuyler* | 4, 468, 276 | 28, 691 69 | 33, 903 47 | 5, 585 34 | 19, 697 66 | 87, 878 16 | 1.97 |
| Seneca | 10, 128, 572 | 36, 616 09 | 38, 617 39 | 12, 660 72 | 44, 650 12 | 132, 544 32 | 1.3 |
| St. Lawrence | 15, 752, 119 | 61, 430 69 | 178, 268 17 | 19, 690 15 | 69, 440 59 | 328, 829 60 | 2.09 |
| Steuben | 14, 221, 992 | 73, 433 10 | 47, 650 00 | 17, 777 49 | 62, 695 28 | 201, 555 87 | 1.42 |
| Suffolk | 11, 746, 082 | 110, 195 57 | 41, 356 97 | 14, 682 60 | 51, 780 65 | 218, 015 79 | 1.86 |
| Sullivan | 2, 969, 753 | 68, 371 28 | 49, 732 01 | 3, 712 19 | 13, 091 66 | 129, 907 14 | 4.37 |
| Tioga* | 5, 501, 002 | 54, 424 67 | 28, 703 70 | 6, 876 25 | 24, 250 25 | 114, 254 87 | 2.08 |
| Tompkins | 8, 277, 216 | 81, 590 45 | 30, 454 83 | 10, 346 52 | 36, 488 73 | 158, 880 53 | 1.92 |
| Ulster | 13, 152, 728 | 257, 689 05 | 181, 719 03 | 16, 440 91 | 57, 981 61 | 513, 830 60 | 3.91 |
| Warren | 2, 976, 263 | 27, 582 30 | 13, 806 96 | 3, 720 33 | 13, 120 36 | 58, 233 95 | 1.91 |
| Washington | 15, 339, 896 | 49, 965 54 | 51, 267 12 | 19, 174 87 | 67, 623 37 | 188, 030 90 | 1.24 |
| Wayne | 14, 839, 157 | 80, 315 44 | 38, 109 00 | 18, 548 95 | 65, 415 95 | 202, 389 34 | 1.36 |
| Westchester* | 58, 311, 713 | 999, 212 50 | 208, 000 00 | 72, 889 64 | 257, 057 46 | 1, 537, 159 60 | 2 64 |
| Wyoming | 9, 233, 896 | 29, 780 41 | 20, 382 68 | 11, 542 37 | 40, 706 09 | 102, 411 55 | 1.1 |
| Yates | 8, 287, 261 | 12, 310 73 | 27, 831 65 | 10, 359 08 | 36, 533 01 | 87, 034 47 | 1.05 |
| | $2, 052, 537, 898 | $9, 730, 813 29 | $24, 339, 730 02 | $2, 565, 672 37 | $9, 048, 271 24 | $45, 674, 486 92 | 2.225 |

* No returns received from these counties; the town and county taxes are from returns of previous years.
† City covers the whole county, and is included in county taxes.

## (XIX.)

*SCHEDULE showing the valuation of real and personal property in the several counties of this State, as returned to the Comptroller's office, for the year* 1871; *also, the number of acres of land, as per Burr's Atlas, and the number of acres assessed in each county.*

| COUNTIES. | Acres of land as per Burr's Atlas. | Acres of land assessed. | Assessed value of real estate. | Assessed value of personal estate. | Corrected aggregate valuations. |
|---|---|---|---|---|---|
| Albany | 325, 590 | 305, 506 | $40, 802, 032 | $7, 456, 442 | $48, 258, 474 |
| Allegany | ‖ 758, 380 | 639, 476 | 7, 733, 874 | 795, 001 | 8, 528, 875 |
| Broome | 401, 404 | 439, 655 | 7, 283, 851 | 749, 081 | 8, 040, 762 |
| Cattaraugus | 788, 305 | 802, 407 | 6, 628, 591 | 558, 802 | 7, 256, 496 |
| Cayuga | 414, 678 | 414, 634 | 16, 574, 621 | 3, 132, 164 | 19, 706, 785 |
| Chautauqua | 650, 620 | 651, 171 | 14, 087, 079 | 1, 672, 084 | 15, 759, 163 |
| Chemung | ‡ 346, 000 | 246, 345 | 7, 390, 184 | 839, 242 | 8, 229, 426 |
| Chenango | 514, 800 | 544, 811 | 9, 172, 283 | 1, 140, 658 | 10, 312, 941 |
| Clinton | 596, 800 | 610, 209 | 5, 208, 598 | 818, 240 | 6, 026, 838 |
| Columbia* | 399, 560 | 382, 005 | 16, 639, 682 | 14, 218, 421 | 20, 858, 103 |
| Cortland | 320, 000 | 311, 584 | 5, 277, 699 | 684, 327 | 5, 962, 026 |
| Delaware | 933, 500 | 873, 921 | 7, 364, 430 | 1, 091, 389 | 8, 455, 819 |
| Dutchess* | 489, 700 | 484, 679 | 21, 552, 739 | 7, 759, 094 | 29, 688, 461 |
| Erie | 536, 701 | 612, 846 | 43, 941, 836 | 7, 358, 885 | 51, 300, 721 |
| Essex | 1, 138, 500 | 997, 700 | 4, 966, 962 | 457, 675 | 5, 424, 637 |
| Franklin | 977, 388 | 1, 017, 994 | 5, 041, 849 | 720, 735 | 5, 762, 584 |
| Fulton | 320, 500 | 312, 318 | 3, 307, 484 | 462, 132 | 3, 769, 616 |
| Genesee | ‖ 625, 280 | 309, 804 | 11, 810, 699 | 2, 205, 463 | 14, 016, 162 |
| Greene | 372, 933 | 386, 257 | 4, 991, 203 | 844, 224 | 5, 824, 067 |
| Hamilton* | 680, 866 | 876, 837 | 736, 550 | 10, 610 | 523, 665 |
| Herkimer* | 877, 000 | 798, 512 | 8, 185, 031 | 1, 487, 991 | 9, 675, 442 |
| Jefferson | 720, 574 | 733, 562 | 12, 402, 528 | 2, 693, 389 | 15, 095, 917 |
| Kings | 48, 800 | ..... | 196, 758, 764 | 19, 726, 751 | 216, 485, 515 |
| Lewis | 718, 265 | 747, 788 | 3, 544, 299 | 384, 318 | 3, 929, 000 |
| Livingston | 326, 000 | 384, 549 | 12, 212, 946 | 1, 855, 017 | 14, 067, 963 |
| Madison | 372, 000 | 388, 097 | 8, 596, 187 | 1, 553, 160 | 10, 149, 347 |
| Monroe | 388, 900 | 390, 903 | 13, 707, 209 | 1, 026, 866 | 14, 401, 145 |
| Montgomery* | 221, 000 | 227, 976 | 6, 141, 953 | 529, 116 | 6, 671, 069 |
| New York | 13, 920 | ..... | 769, 306, 410 | 306, 947, 223 | 1, 076, 253 633 |
| Niagara | 308, 662 | 303, 848 | 12, 201, 454 | 1, 712, 638 | 13, 914, 092 |
| Oneida* | 704, 740 | 735, 336 | 14, 789, 169 | 2, 104, 361 | 16, 893, 530 |
| Onondaga | 455, 100 | 461, 620 | 27, 078, 755 | 4, 640, 877 | 31, 719, 632 |
| Ontario | 395, 107 | 390, 712 | 14, 972, 097 | 3, 359, 110 | 18, 331, 558 |
| Orange | 486, 500 | 482, 350 | 19, 821, 350 | 6, 313, 599 | 26, 134, 949 |
| Orleans | 238, 154 | 236, 744 | 9, 187, 075 | 1, 136, 999 | 10, 324, 074 |
| Oswego | 580, 978 | 578, 789 | 13, 626, 494 | 1, 566, 557 | 15, 147, 869 |
| Otsego | 570, 900 | 609, 067 | 9, 710, 202 | 1, 506, 204 | 11, 216, 414 |
| Putnam* | 138, 300 | 131, 719 | 4, 585, 398 | 1, 020, 870 | 5, 606, 268 |
| Queens* | 253, 100 | 102, 028 | 19, 138, 300 | 5, 029, 200 | 24, 167, 500 |
| Rensselaer* | 400, 700 | 388, 912 | 21, 869, 989 | 7, 342, 484 | 29, 212, 473 |
| Richmond* | 40, 300 | 30, 293 | 6, 763, 026 | 648, 035 | 7, 411, 961 |
| Rockland | 110, 500 | 99, 669 | 5, 915, 217 | 1, 512, 120 | 7, 427, 337 |
| Saratoga | 511, 000 | 511, 250 | 10, 149, 551 | 1, 919, 518 | 11, 490, 732 |
| Schenectady | 125, 000 | 119, 607 | 4, 708, 980 | 526, 709 | 5, 235, 689 |
| Schoharie | 397, 200 | 374, 356 | 4, 423, 437 | 547, 246 | 4, 970, 983 |
| Schuyler | † ..... | 193, 318 | 3, 090, 549 | 311, 673 | 3, 402, 222 |
| Seneca | 197, 550 | 197, 614 | 9, 291, 178 | 1, 384, 957 | 10, 676, 135 |
| St. Lawrence | 1, 738, 500 | 1, 663, 671 | 12, 638, 110 | 1, 303, 855 | 13, 941, 965 |
| Steuben | ‡ 897, 000 | 835, 000 | 12, 731, 929 | 1, 561, 015 | 14, 292, 944 |
| Suffolk | 626, 000 | 438, 017 | 9, 791, 677 | 2, 024, 600 | 11, 816, 277 |
| Sullivan | 587, 000 | 606, 529 | 2, 813, 101 | 156, 117 | 2, 969, 218 |
| Tioga* | 313, 500 | 309, 732 | 4, 789, 077 | 711, 925 | 5, 501, 002 |
| Tompkins | ‡ 371, 400 | 289, 896 | 5, 890, 888 | 1, 195, 250 | 7, 096, 487 |
| Ulster | 701, 500 | 663, 802 | 10, 973, 422 | 2, 249, 338 | 13, 222, 760 |
| Warren | 583, 500 | 507, 207 | 2, 264, 206 | 505, 990 | 2, 770, 196 |
| Washington | 516, 500 | 504, 430 | 11, 694, 482 | 2, 953, 267 | 14, 647, 749 |
| Wayne | 375, 576 | 355, 558 | 13, 070, 396 | 1, 813, 089 | 14, 883, 485 |
| Westchester* | 290, 527 | 278, 827 | 47, 282, 207 | 7, 695, 487 | 54, 977, 694 |
| Wyoming | § ..... | 370, 195 | 7, 661, 941 | 1, 042, 716 | 8, 704, 657 |
| Yates | 204, 444 | 207, 368 | 6, 966, 755 | 944, 629 | 7, 912, 383 |
| | 28, 397, 142 | ¶ 27, 964, 010 | $1, 631, 258, 885 | $445, 918, 935 | $2, 076, 454, 887 |

* No returns received from these counties, therefore taken from statements of previous year.
† Includes part of Wyoming.
‡ Includes part of Schuyler.
§ Included in Chemung, Steuben and Tompkins.
‖ Included in Allegany and Genesee.
¶ Exclusive of cities.

## (XX.)

*SCHEDULE showing the aggregate valuations of real and personal property, the State and local taxes, and the rate per cent for each year from* 1845 *to* 1871, *inclusive.*

| YEAR. | Aggregate valuations. | State taxes, exclusive of school tax. | Town, county and school taxes. | Total taxes. | Rate of tax on $1; valuation in cents. |
|---|---|---|---|---|---|
| 1845 | $605, 546, 095 | $361, 309 62 | $3, 809, 218 33 | $4, 170, 527 95 | 0.688 |
| 1846 | 616, 824, 955 | 370, 557 44 | 4, 276, 904 44 | 4, 647, 461 88 | 0.753 |
| 1847 | 632, 699, 993 | 302, 579 27 | 4, 541, 046 33 | 4, 843, 625 60 | 0 765 |
| 1848 | 651, 619, 595 | 325, 638 72 | 4, 969, 819 51 | 5, 295, 458 23 | 0.812 |
| 1849 | 665, 850, 737 | 334, 555 96 | 5, 214, 425 32 | 5, 548, 981 28 | 0.833 |
| 1850 | 727, 494, 583 | 364, 003 75 | 5, 948, 783 58 | 6, 312, 787 33 | 0.867 |
| 1851 | 1, 077, 831, 630 | 578, 546 88 | 6, 180, 891 38 | 6, 759, 438 26 | 0.627 |
| 1852 | 1, 168, 335, 237 | 292, 641 69 | 6, 715, 046 39 | 7, 007, 688 08 | 0.600 |
| 1853 | 1, 266, 666, 190 | 1, 285, 124 88 | 8, 060, 097 03 | 9, 345, 221 91 | 0.737 |
| 1854 | 1, 264, 154, 625 | 1, 020, 926 49 | 8, 615, 164 36 | 9, 636, 090 85 | 0.706 |
| 1855 | 1, 402, 849, 304 | 1, 751, 717 78 | 9, 924, 454 52 | 11, 676, 172 30 | 0.832 |
| 1856 | 1, 430, 334, 696 | 1, 430, 000 02 | 11, 312, 845 04 | 12, 742, 845 06 | 0.890 |
| 1857 | 1, 433, 309, 713 | 2, 221, 775 42 | 11, 941, 362 94 | 15, 163, 138 36 | 1.057 |
| 1858 | 1, 404, 907, 679 | 2, 457, 533 80 | 12, 968, 004 78 | 15, 425, 538 58 | 1.098 |
| 1859 | 1, 404, 913, 679 | 2, 458, 599 10 | 13, 894, 687 46 | 16, 353, 286 56 | 1.164 |
| 1860 | 1, 419, 297, 520 | 4, 376, 167 35 | 14, 579, 857 15 | 18, 956, 024 50 | 1.335 |
| 1861 | 1, 444, 767, 430 | 4, 505, 523 19 | 15, 896, 753 29 | 20, 402, 276 48 | 1.415 |
| 1862 | 1, 419, 303, 948 | 5, 797, 215 79 | 13, 659, 072 61 | 19, 456, 288 40 | 1.342 |
| 1863 | 1, 454, 454, 817 | 6, 181, 432 97 | 16, 865, 367 69 | 23, 046, 800 66 | 1.584 |
| 1864 | 1, 509, 999, 877 | 6, 754, 499 45 | 33, 119, 446 11 | 39, 873, 945 56 | 2.656 |
| 1865 | 1, 550, 879, 685 | 6, 067, 813 77 | 39, 893, 623 85 | 45, 961, 440 62 | 2.963 |
| 1866 | 1, 531, 229, 636 | 7, 369, 042 63 | 33, 199, 202 06 | 40, 568, 244 69 | 2.649 |
| 1867 | 1, 664, 107, 725 | 16, 567, 084 06 | 35, 951, 837 56 | 46, 518, 921 62 | 2.795 |
| 1868 | 1, 766, 089, 140 | 8, 035, 705 59 | 36, 262, 730 31 | 44, 298, 435 90 | 2.508 |
| 1869 | 1, 860, 120 770 | 8, 138, 028 37 | 38, 023, 503 13 | 46, 161, 531 50 | 2, 482 |
| 1870 | 1, 967, 001 185 | 11, 827, 225 07 | 38, 501, 459 14 | 50, 328, 684 21 | 2.558 |
| 1871 | 2, 052, 537 898 | 9, 048, 271 24 | 36, 626, 215 68 | 45, 674, 486 92 | 2.225 |

## (XXI.)

*SCHEDULE showing the rate of State tax on each dollar of the aggregate valuations of property, from* 1816 *to* 1871, *both inclusive.*

| Year. | Rate-mills. |
|---|---|
| 1816 | 2 |
| 1817 | 2 |
| 1818 | 2 |
| 1819 | 1 |
| 1820 | 1 |
| 1821 | 1 |
| 1822 | 1 |
| 1823 | 1 |
| 1824 | 1 |
| 1825 | ½ |
| 1826 | ½ |
| 1842 | 1 |
| 1843 | 1 |
| 1844 | 1 1–10 |
| 1845 | 6–10 |
| 1846 | 6–10 |
| 1847 | ½ |
| 1848 | ½ |
| 1849 | ½ |
| 1850 | ½ |
| 1851 | ½ |
| 1852 | ¼ |
| 1853 | 1 |
| 1854 | ¾ |
| 1855 | 1¼ |
| 1856 | 1¾ |
| 1857 | 3 |
| 1858 | 2½ |
| 1859 | 2½ |
| 1860 | 3 5–6 |
| 1861 | 3 7–8 |
| 1862 | 4¾ |
| 1863 | 5 |
| 1864 | 5¼ |
| 1865 | 4 53–80 |
| 1866 | 5 9–16 |
| 1867 | 7 3–5 |
| 1868 | 5 4–5 |
| 1869 | 5⅛ |
| 1870 | 7 41–156 |
| 1871 | 5 79–120 |

## (XXII.)

*SCHEDULE of Stocks purchased on account of the Bounty Debt Sinking Fund during the year ending September* 30, 1871.

BOUNTY LOAN 7's OF 1877.

| DATE OF PAYMENT AT THIS OFFICE. | Amount of stock. | Accrued interest. | Premium and commissions. | Total amount paid. |
|---|---|---|---|---|
| 1871. | | | | |
| April 10 | $250,000 00 | $4,861 11 | $21,666 80 | $276,527 91 |
| July 10 | 162,000 00 | 310 69 | 12,960 00 | 175,270 69 |
| July 12 | 9,000 00 | 19 25 | 723 25 | 9,742 50 |
| July 17 | 3,000 00 | 8 75 | 238 75 | 3,247 50 |
| July 19 | 3,000 00 | 10 50 | 237 00 | 3,247 50 |
| July 22 | 23,000 00 | 93 92 | 1,803 58 | 24,897 50 |
| July 29 | 5,000 00 | 27 22 | 385 28 | 5,412 50 |
| August 1 | 9,000 00 | 54 25 | 688 25 | 9,742 50 |
| August 4 | 1,000 00 | 6 22 | 76 28 | 1,082 50 |
| August 5 | 1,000 00 | 6 61 | 75 89 | 1,082 50 |
| August 11 | 1,000 00 | 7 78 | 74 72 | 1,082 50 |
| August 15 | 1,000 00 | 8 17 | 74 33 | 1,082 50 |
| September 22 | 5,000 00 | 79 72 | 400 00 | 5,479 72 |
| September 23 | 11,000 00 | 177 53 | 880 00 | 12,057 53 |
| September 26 | 15,000 00 | 250 83 | 1,200 00 | 16,450 83 |
| September 27 | 2,000 00 | 33 83 | 160 00 | 2,193 83 |
| September 28 | 6,000 00 | 102 67 | 480 00 | 6,582 67 |
| September 29 | 13,000 00 | 224 97 | 1,040 00 | 14,264 97 |
| | $520,000 00 | $6,284 02 | $43,164 13 | $569,448 15 |
| WESTCHESTER COUNTY BONDS. 7's, REDEEMABLE FROM 1872 TO 1883. | | | | |
| 1871. | | | | |
| July 19 | $137,000 00 | $2,104 47 | ..... | $139,104 47 |
| RECAPITULATION. | | | | |
| State Stock | $520,000 00 | $6,284 02 | $43,164 13 | $569,448 15 |
| County Bonds | 137,000 00 | 2,104 47 | ..... | 139,104 47 |
| | $657,000 00 | $8,388 49 | $43,164 13 | $708,552 62 |

## ( XXIII. )

*SCHEDULE of the receipts and payments on account of the canals during the year ending September 30th*, 1871.

Receipts during the year:

| | | |
|---|---|---|
| Tolls | | $2,813,686 29 |
| Rent of surplus water | | 1,267 50 |
| Interest on current revenues | | 23,661 00 |
| Miscellaneous | | 3,935 15 |
| | | $2,842,549 94 |

PAYMENTS:

| | Actual expenses during fiscal year. | |
|---|---|---|
| Canal Commissioners, for repairs | $185,697 83 | |
| Contractors | 549,049 34 | |
| Superintendents | 731,920 28 | |
| Collectors of toll | 89,054 49 | |
| Weighmasters | 14,044 12 | |
| Miscellaneous | 88,851 19 | |
| | | 1,658,617 25 |
| | | $1,183,932 69 |
| Reserved September 30th, 1871, to pay appropriations under act, chapter 653, Laws of 1871, which have not been presented for payment, | | 202,344 01 |
| Surplus revenues | | $981,588 68 |

Payment to Sinking Fund, viz.:

| | |
|---|---|
| Under article 7, section 2 | $981,588 68 |

| | | |
|---|---|---|
| Reserved September 30, 1870 | | $591,528 37 |
| Was used subsequent to Oct. 1, 1870, to pay Canal Commissioners; ordinary | $145,449 13 | |
| Contractors | 77,348 99 | |
| Superintendents | 368,730 25 | |
| | | $591,528 37 |

*Statement of the Canal Debt 30th September*, 1871, *showing each description of stock, the amount redeemable in each year, and the annual interest on the same.*

| WHEN DUE. | 5 per cent. | 6 per cent. | Total. |
|---|---|---|---|
| 1837 | $160 | ..... | $160 |
| Pays no interest | $160 | ..... | $160 |
| 1872 | ..... | $2,257,900 | $2,257,900 |
| 1873 | ..... | 5,150,100 | 5,150,100 |
| 1874 | $1,106,420 | 2,099,000 | 3,205,420 |
| 1875 | ..... | 473,000 | 473,000 |
| 1877 | ..... | 880,000 | 880,000 |
| Debt paying interest | $1,106,420 | $10,860,000 | $11,966,420 |
| Debt not paying interest | 160 | ..... | 160 |
| Total debt | $1,106,580 | $10,860,000 | $11,966,580 |
| Annual interest | $55,321 | $651,600 | $706,921 |

The interest on the debt is about 5.91 per cent.

*An analysis of the foregoing table.*

| Principal of debt, and sections of article 7, of the Constitution. | | Annual interest of the debt. |
|---|---|---|
| Section 1, 5's | $1,106,420 00 | $55,321 00 |
| 3, 6's | 9,285,000 00 | 557,100 00 |
| 12, 6's | 1,575,000 00 | 94,500 00 |
| | $11,966,420 00 | $706,921 00 |

(XXIV.)

*SCHEDULE showing the amount paid from the Treasury for various items of expenditure in each fiscal year, for five years, from* 1867 *to* 1871, *both inclusive.*

| | 1867. | 1868. | 1869. | 1870. | 1871. |
|---|---|---|---|---|---|
| Salaries of the officers of government | $47,505 06 | $56,946 52 | $55,375 52 | $60,190 69 | $62,428 64 |
| Salaries of the judges of the court of appeals, commissioners of appeals and justices of the supreme court | 129,500 00 | 133,661 66 | 135,138 39 | 171,325 00 | 287,006 73 |
| Expenses of the court of appeals and supreme court for stenographers, libraries, criers and attendants, expenses of general terms and allowances to judges | 6,899 60 | 8,387 12 | 9,617 25 | 12,389 70 | 50,859 00 |
| Clerks and messengers in the public offices | 61,474 65 | 66,522 56 | 69,045 50 | 75,157 63 | 77,714 59 |
| Expenses of the public offices | 16,845 78 | 20,160 23 | 20,746 34 | 13,698 38 | 11,784 46 |
| Postage for the public offices | 5,203 70 | 4,374 14 | 4,314 02 | 4,227 59 | 5,296 77 |
| Stationery for the public offices | 5,029 37 | 3,270 54 | 4,909 61 | 4,807 10 | 3,958 46 |
| Legislature, pay of members and officers | 109,825 20 | 131,487 30 | 131,348 10 | 142,186 10 | 167,779 00 |
| Legislature, contingent expenses | 119,392 27 | 128,696 33 | 163,905 84 | 163,087 18 | 254,677 01 |
| Printing for the State | 198,650 82 | 207,395 07 | 192,267 17 | 369,660 31 | 238,399 01 |
| Capitol, expenses of | 15,185 74 | 22,416 67 | 17,596 56 | 17,470 15 | 20,430 51 |
| New Capitol | 10,000 00 | 50,000 00 | 451,215 63 | 1,223,597 73 | 482,942 37 |
| State Hall, expenses of | 7,478 87 | 8,464 20 | 8,193 99 | 11,720 06 | 12,040 01 |
| State Library, expenses of | 13,081 41 | 15,463 90 | 15,323 93 | 15,221 24 | 15,084 14 |
| Hall for the Cabinet of Natural History | 16,796 77 | 22,114 98 | 19,067 53 | 17,734 79 | 20,972 85 |
| Regents of the University | 5,600 00 | 6,960 00 | 6,899 91 | 6,349 72 | 6,107 53 |
| Fuel for the Capitol, State Hall and State Library | 5,099 90 | 1,826 36 | 4,833 22 | 5,564 49 | 3,761 48 |
| Onondaga Salt Springs | 50,000 00 | 50,000 00 | 50,000 00 | 50,000 00 | 54,979 39 |
| Militia and National Guard | 303,664 29 | 219,347 47 | 215,938 59 | 263,530 02 | 267,924 54 |
| Arsenals and armories | 30,178 88 | 31,258 10 | 35,568 15 | 27,216 45 | 84,261 31 |
| Costs of suits and counsel fees | 7,525 30 | 3,315 10 | 10,176 33 | 7,649 96 | 5,481 47 |
| Governor's house | 4,865 49 | 5,570 61 | ‖ 32,515 16 | 10,027 07 | 3,087 14 |
| Governor, incidental expenses of government | 1,400 00 | 5,570 08 | 4,681 41 | 2,766 90 | 2,853 61 |
| Promotion of agriculture | 13,613 00 | 19,747 96 | 25,814 29 | 20,529 15 | 19,255 87 |
| Transportation of documents, etc., and boxes | 4,379 53 | 4,881 22 | 6,179 66 | 4,719 74 | 2,817 54 |
| Rivers, roads and bridges | 105,070 93 | 57,907 69 | 46,681 84 | 10,390 95 | 50,654 80 |
| State prisons, including building | 835,425 18 | § 939,582 86 | ‡ 1,106,008 72 | 928,294 47 | 884,002 63 |
| Asylum for Insane Convicts | 17,217 61 | § 19,136 24 | ‡ 15,090 18 | 24,662 51 | 19,203 21 |
| Transportation of convicts | 26,927 10 | 23,075 60 | 19,212 10 | 23,347 11 | 22,459 30 |
| Orphan asylums, dispensaries, charity week-day schools, hospitals and other charitable institutions | 194,557 25 | 141,328 84 | 421,054 17 | 535,657 69 | 779,784 57 |
| New York Institution for the Deaf and Dumb | 104,467 00 | 95,877 28 | 120,731 00 | 93,750 00 | 100,202 73 |
| New York Institution for the Blind | 33,441 53 | 60,188 29 | 34,421 26 | 34,077 32 | 32,760 98 |
| New York State Institution for the Blind, Batavia | 117,702 82 | 156,279 00 | 54,939 00 | 35,000 00 | 32,000 00 |
| Society for the Reformation of Juvenile Delinquents, New York | 55,000 00 | 48,750 00 | 40,000 00 | 40,000 00 | 40,000 00 |
| Western House of Refuge for Juvenile Delinquents | 47,000 00 | 35,000 00 | 47,092 11 | 51,407 89 | 57,500 00 |

XXIV—(*Continued*).

| | 1867. | 1868. | 1869. | 1870. | 1871. |
|---|---|---|---|---|---|
| State Reformatory, Elmira | ..... | ..... | ..... | ..... | $123,318 50 |
| State Lunatic Asylum | $23,768 64 | $16,458 98 | $41,803 77 | $73,586 14 | 58,309 18 |
| Buffalo State Asylum for the Insane | ..... | ..... | ..... | ..... | 41,253 31 |
| State Asylum for Idiots | 29,000 00 | 29,200 00 | 36,000 00 | 25,000 00 | 30,000 00 |
| State Willard Asylum for the Insane | 118,643 53 | 67,873 41 | 110,565 80 | 184,185 04 | 179,779 56 |
| Hudson River State Hospital for the Insane | 35,902 00 | 124,300 49 | 139,467 00 | 242,720 05 | 298,462 06 |
| State taxes and other appropriations for canal purposes | 1,432,541 94 | 1,036,512 67 | 1,850,136 84 | 1,604,442 08 | 3,911,468 77 |
| Natural History | 7,810 54 | 1,019 70 | 11,053 66 | 3,207 77 | 5,641 39 |
| Quarantine | 96,339 88 | 239,845 05 | 342,495 21 | 290,644 35 | 344,329 28 |
| Bank Department | 25,829 73 | 23,071 45 | 22,587 72 | 21,309 72 | 17,839 05 |
| Insurance Department | 34,462 58 | 40,619 61 | 48,640 44 | 75,869 69 | 80,965 78 |
| Aid to railroads | ..... | 320,000 00 | 109,610 00 | ..... | ..... |
| Relief of sick and wounded soldiers and military agencies | 97,980 95 | 92,400 99 | 76,408 99 | 2,144 20 | 2,633 25 |
| | $4,628,314 84 | $4,796,266 27 | $6,384,671 91 | $7,000,524 13 | $9,274,171 78 |

§ Eleven months.
‖ Includes $28,024.20 for repairing and furnishing Governor's house.
‡ Thirteen months.

"State prisons" include the following:

| | |
|---|---|
| 1867, manufacturing | $216,487 47 |
| 1868, manufacturing | 189,868 16 |
| 1868, wood land | 85,500 00 |
| 1868, altering rolling mill | 10,000 00 |
| 1869, manufacturing | 178,107 50 |
| 1869, quarry contract, damages | 107,526 38 |
| 1870, manufacturing | 174,552 37 |
| 1871, manufacturing | 180,113 70 |

(XXV.)

*ABSTRACT of reports from Orphan Asylums, Hospitals, Dispensaries, etc., as to their operations for the fiscal year ending September 30th, 1871.*

| ORPHAN ASYLUMS. | Value of property of all kinds exclusive of indebtedness. | Receipts for year ending Sept. 30, 1871. | | Expenditures for the year ending September 30, 1871. | | | Cash on hand Oct. 1, 1871. | Children supported. | |
|---|---|---|---|---|---|---|---|---|---|
| | | From State. | All other sources including balance from previous year. | Salaries. | Support. | Other purposes. | | In asylum during year. | Time of support. No. of days. |
| Albany Orphan Asylum | $88,700 00 | $992 07 | $14,504 10 | $2,181 27 | $6,552 96 | $5,328 95 | $1,432 99 | 166 | 40,220 |
| American Female Guardian Society and Home for the Friendless, New York city | 110,000 00 | 1,899 52 | 35,945 80 | 17,061 59 | ..... | 15,134 31 | 5,649 42 | 140 | 51,100 |
| Association for the relief of Respectable Aged and Indigent Females, New York city | 355,475 00 | 923 24 | 93,801 15 | 1,600 00 | 10,182 25 | 63,694 19 | 19,247 95 | 69 | 25,594 |
| Asylum of Our Lady of Refuge, Buffalo | 16,000 00 | 307 30 | 8,194 02 | 116 81 | 2,712 50 | 5,588 47 | 83 54 | 58 | 20,096 |
| Brooklyn Industrial School Association | 81,225 00 | 1,116 08 | 17,823 37 | 3,668 27 | 2,352 40 | 13,010 12 | 3,355 74 | 454 | 58,821 |
| Buffalo Orphan Asylum | 42,516 34 | 399 20 | 9,574 97 | 6,734 31 | ..... | 2,020 47 | 1,219 39 | 129 | 24,618 |
| Cayuga Asylum for Destitute Children, Auburn | 47,059 98 | 1,284 62 | 4,007 55 | 776 50 | 4,134 59 | 374 23 | 6 85 | 144 | 33,448 |
| Chapin Home for the Aged and Infirm, New York | 100,000 00 | 10,000 00 | 27,904 64 | ..... | 324 00 | 210 00 | 37,370 64 | 4 | 1,460 |
| Children's Friend Society, Albany | 7,350 00 | 461 67 | 3,903 61 | 1,783 39 | ..... | 1,913 99 | 667 90 | 302 | 20,181 |
| Children's Aid Society, New York city | 304,500 00 | 5,417 36 | 188,878 75 | ..... | ..... | 193,415 06 | 881 05 | 24,251 | 165,832 |
| Children's Fold, New York city | 953 13 | 310 91 | 3,723 60 | 750 46 | 1,821 20 | 1,440 70 | 22 15 | 67 | 11,298 |
| Church Charity Foundation of Long Island | 121,100 00 | 741 36 | 42,607 23 | 1,876 51 | 6,231 88 | 28,204 00 | 6,536 20 | 82 | 25,528 |
| Church Home of the Ptotestant Episcopal Church, Rochester | 14,060 00 | 107 10 | 4,250 56 | 948 35 | 2,198 11 | 738 71 | 472 49 | 50 | 11,450 |
| Colored Home, New York city | 80,700 00 | 2,602 32 | 24,868 22 | 2,250 00 | 20,168 42 | 2,708 52 | 2,343 60 | 765 | 80,052 |
| Colored Orphan Asylum, New York city | 343,243 25 | 5,000 46 | 34,218 39 | 5,062 36 | 18,606 14 | 38,204 41 | 8,574 26 | 327 | 93,137 |
| Convent of the Sisters of Mercy, Brooklyn | 71,463 62 | 6,225 65 | 21,889 02 | 2,509 54 | 12,245 12 | 24,024 01 | ..... | 169 | 48,518 |
| Davenport Institute for Female Orphan Children, Bath | 265,147 00 | 1,046 55 | 22,876 78 | 1,074 68 | 5,364 08 | 15,690 06 | 1,794 51 | 45 | 16,425 |
| Day Home, Troy | 21,900 00 | 2,498 65 | 6,403 76 | 400 00 | 1,177 01 | 7,325 50 | ..... | 242 | 16,726 |
| Evangelical Lutheran St. John's Orphan Home, Buffalo | 27,150 00 | 3,830 40 | 10,272 02 | 1,313 82 | 6,287 32 | 4,994 74 | 1,506 54 | 60 | 19,791 |
| Female Academy of the Sacred Heart, Albany | ..... | 236 00 | ..... | 1,035 00 | 1,859 50 | 1,410 50 | ..... | 42 | 12,481 |
| Five Points House of Industry, New York | 164,578 42 | 2,335 73 | 32,042 48 | 9,360 41 | 11,457 01 | 23,082 37 | ..... | 2,100 | 114,747 |
| Five Points Mission, New York | 87,500 00 | 2,849 58 | 24,645 12 | 9,120 45 | 7,040 35 | 2,257 42 | 9,076 48 | 948 | 90,088 |
| Free School for Indigent Female Children attached to the Academy of the Sacred Heart, Manhattanville | ..... | 613 13 | ..... | 2,210 00 | 1,040 00 | 655 00 | ..... | 94 | 24,292 |
| Home for the Aged of the Little Sisters of the Poor, New York | ..... | ..... | 15,500 00 | ..... | ..... | 12,980 00 | 2,520 00 | 54 | 25,000 |
| Home for the Homeless, Utica | 33,100 00 | 5,000 00 | 22,077 06 | 727 65 | 1,519 84 | 13,322 56 | 11,507 01 | 31 | 6,981 |
| Home for Homeless Girls, New York | 3,000 00 | 348 22 | 7,299 97 | 1,616 00 | 2,643 31 | 3,379 70 | 9 18 | 109 | 8,567 |
| Home for the Friendless, Auburn | 9,085 00 | 1,821 48 | 3,896 77 | 429 00 | 1,020 26 | 844 13 | 3,424 86 | 27 | 7,228 |
| Home for the Friendless, Schenectady | 3,719 84 | 206 13 | 1,392 53 | 328 26 | 842 82 | 36 58 | 391 05 | 8 | 2,468 |
| Home for the Friendless, Newburgh | 28,402 96 | 1,153 88 | 4,830 92 | 1,162 16 | 2,548 57 | 733 95 | 1,540 12 | 62 | 13,852 |

XXV — (*Continued*).

| ORPHAN ASYLUMS. | Value of property of all kinds exclusive of indebtedness. | Receipts for year ending Sept. 30, 1871. | | Expenditures for year ending September 30, 1871. | | | Cash on hand Oct. 1, 1871. | Children supported. | |
|---|---|---|---|---|---|---|---|---|---|
| | | From State. | All other sources including balance from previous years. | Salaries. | Support. | Other purposes. | | In asylum during year. | Time of support. No. of days. |
| Home for the Aged of the Little Sisters of Poor, Brooklyn | $35,500 00 | $750 08 | $25,026 35 | ..... | $9,000 00 | $14,382 00 | $394 43 | 50 | 12,436 |
| House of the Good Shepherd, Brooklyn | 13,000 00 | 727 33 | 26,859 55 | ..... | 4,525 81 | 15,621 31 | 7,439 76 | 124 | 21,526 |
| House of the Good Shepherd, Rockland county | 4,368 10 | 2,516 67 | 10,557 67 | $486 17 | 4,014 70 | 7,116 55 | 456 92 | 67 | 15,932 |
| House of the Good Shepherd, New York | 381,000 00 | 4,485 30 | 133,372 43 | 1,200 00 | 38,664 64 | 88,702 01 | 5,291 07 | 743 | 159,727 |
| House of Shelter, Albany | 4,550 00 | ..... | 2,378 88 | 500 00 | 600 00 | 1,934 79 | ..... | 31 | 2,436 |
| Hudson Orphan and Relief Association | 36,282 73 | 1,664 97 | 15,451 45 | 827 00 | 4,015 15 | 11,563 35 | 710 92 | 63 | 12,025 |
| Industrial School Association, Eastern District, Brooklyn | 22,393 44 | 442 76 | 12,502 01 | 778 38 | 1,787 81 | 8,885 60 | 1,494 98 | 196 | 39,312 |
| Ingleside Home Buffalo | 24,187 41 | ..... | 3,107 29 | 249 00 | 1,618 98 | 1,219 76 | 19 55 | 51 | 5,268 |
| Institute for Destitute Children, Greenbush | 25,646 17 | 3,000 00 | 1,221 01 | 400 00 | 1,500 00 | 2,293 83 | 27 18 | 33 | 6,192 |
| Institution of Mercy, East Houston street, New York | 76,961 36 | 333 28 | 12,317 39 | 1,281 98 | 5,172 48 | 6,123 21 | 63 00 | 268 | 24,723 |
| Institution of Mercy, Eighty-first street, New York | 131,934 75 | 1,046 96 | 16,285 70 | 702 65 | 6,867 91 | 9,687 18 | 74 92 | 238 | 51,199 |
| Jefferson County Orphan Asylum, Watertown | 20,258 38 | 2,163 53 | 3,258 56 | 1,045 00 | 1,540 84 | 395 99 | 2,440 26 | 56 | 11,130 |
| Juvenile Asylum, New York | 426,000 00 | ..... | 115,689 90 | 23,916 00 | ..... | 86,829 75 | 4,944 15 | 1,170 | 206,545 |
| Ladies' Benevolent Society, Schenectady | ..... | 206 12 | 1,334 63 | ..... | ..... | 641 54 | 899 21 | 570 | ..... |
| Ladies' Union Benevolent Society, Ithaca | 75 00 | ..... | 337 28 | ..... | ..... | 321 87 | 16 41 | 54 | 9,855 |
| Leconteulx St. Mary's Deaf and Dumb Asylum, Buffalo | 32,000 00 | 256 06 | 15,656 32 | 400 00 | 6,600 00 | 10,860 50 | ..... | 86 | 19,679 |
| New York Magdalen Benevolent Society | 137,000 00 | 307 31 | 10,770 71 | 1,702 91 | 6,849 18 | 147 50 | 2,378 42 | 139 | 9,579 |
| New York Foundling Asylum | 201,604 98 | ..... | 161,089 74 | 45,930 28 | 15,695 29 | 114,608 60 | 93,564 22 | 1,692 | 189,621 |
| Nursery and Child's Hospital, New York | 63,256 17 | 25,000 00 | 64,180 29 | 4,499 43 | ..... | 75,820 11 | 6,675 09 | 1,069 | 120,000 |
| Ontario Orphan Asylum, Canandaigua | 22,680 00 | 6,116 79 | 10,512 86 | 1,133 22 | 1,528 43 | 12,372 52 | 1,151 51 | 68 | 13,045 |
| Onondaga County Orphan Asylum, Syracuse | 54,069 59 | 3,805 37 | 9,487 48 | 1,824 00 | 5,081 35 | 6,343 35 | 44 15 | 117 | 23,296 |
| Orphan Home of the Most Holy Trinity Church, Brooklyn | 54,974 56 | 560 68 | 5,716 02 | ..... | 1,878 58 | 4,275 80 | 122 32 | 50 | 14,303 |
| Orphan Home and Asylum of Protestant Episcopal Church, N. Y. | 155,200 00 | 1,517 36 | 32,650 37 | 1,800 38 | 11,387 83 | 20,612 66 | 766 86 | 169 | 49,597 |
| Orphan Asylum Society, New York city | 571,160 00 | 1,720 03 | 27,941 70 | 5,968 65 | 19,274 83 | 4,204 51 | 213 74 | 189 | 56,123 |
| Oswego Orphan Asylum | 36,526 92 | 6,279 38 | 7,067 52 | 1,330 90 | 1,893 56 | 8,207 67 | 1,914 77 | 74 | 17,733 |
| Poughkeepsie Orphan House and Home for the Friendless | 48,246 17 | 2,262 75 | 6,525 17 | 1,316 92 | 3,096 59 | 3,948 00 | 426 41 | 70 | 19,958 |
| Rochester Industrial School | 17,200 00 | 844 73 | 2,713 87 | 484 00 | 1,414 91 | 3,017 78 | 1,091 91 | 234 | 27,117 |
| Rochester Home for the Friendless | 26,225 00 | 160 14 | 10,975 76 | 624 80 | 2,261 95 | 6,235 87 | 1,943 92 | 139 | 11,049 |
| Rochester House for Idle and Truant Children | 27,000 00 | 6,681 68 | 20,784 05 | 2,178 00 | 3,916 74 | 17,956 01 | 3,414 95 | 145 | 30,319 |
| Rochester Orphan Asylum | 48,500 00 | 504 50 | 6,228 46 | 2,155 09 | 4,058 05 | 470 94 | 48 88 | 139 | 25,554 |
| Roman Catholic Orphan Asylum, New York | 397,761 37 | 10,346 90 | 91,285 05 | 9,059 00 | 74,200 41 | 18,611 17 | ..... | 1,155 | 340,089 |
| Sheltering Arms, New York | 85,000 00 | 1,244 57 | 21,595 46 | 5,141 41 | 11,929 12 | 5,532 82 | 236 65 | 216 | 45,912 |
| Society for the Relief of Half Orphan and Destitute Children, N.Y | 103,500 00 | 2,299 72 | 17,016 73 | 3,071 85 | 14,953 91 | 2,863 47 | ..... | 312 | 72,343 |
| Society for the Relief of the Destitute Blind, New York | 2,000 00 | ..... | 6,954 35 | 624 00 | 5,036 32 | 2,303 40 | 1,918 03 | 26 | 7,651 |
| Society for Protection of Destitute Roman Catholic Children, N.Y | 518,064 30 | 61,973 22 | 186,382 28 | 16,114 39 | 65,397 92 | 166,194 10 | 649 09 | 2,380 | 511,463 |
| Society for the Relief of Destitute Children of Seamen, N. York | 19,100 00 | 481 20 | 16,277 34 | 2,321 82 | 6,765 96 | 5,491 17 | 2,179 59 | 109 | 34,462 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Society for the Aid of Friendless Women and Children, Brooklyn | 21,200 00 | ..... | 25,484 37 | 450 00 | ..... | 24,863 49 | 166 88 | 619 | 2,100 |
| Southern Tier Orphan Home, Elmira | 15,100 00 | 5,646 20 | 3,031 38 | 989 00 | 2,673 14 | 4,804 25 | 211 19 | 123 | 16,378 |
| Susquehanna Valley Home and Industrial School for Indigent Children, Binghamton | 2,833 21 | 5,762 02 | 10,160 23 | 1,932 20 | 8,470 90 | 4,602 76 | 916 39 | 128 | 30,613 |
| St. Bonaventure's College and Orphan Asylum, Allegany | 40,891 20 | ..... | 16,600 00 | 1,869 20 | 1,254 00 | 7,776 39 | 743 19 | 8 | 2,022 |
| St. Frances de Sale's Orphan Asylum, Oswego | 10,975 00 | ..... | 127 00 | ..... | 1,200 00 | 3,592 00 | ..... | 11 | 3,098 |
| St. John's Catholic Orphan Asylum, Utica | 30,000 00 | 647 39 | 7,410 71 | 600 00 | 5,223 11 | 1,749 61 | 139 08 | 112 | 31,370 |
| St. Joseph's Asylum, New York | 139,010 00 | 1,989 22 | 23,456 17 | 1,109 50 | 15,501 16 | 1,894 91 | 6,939 82 | 226 | 64,776 |
| St. Joseph's German Roman Catholic Orphan Asylum, Rochester | 27,700 00 | 109 20 | 8,468 69 | 84 00 | 1,512 83 | 6,925 93 | 136 13 | 30 | 8,200 |
| St. Joseph's Orphan Asylum, Albion | 1,500 00 | ..... | 200 00 | ..... | 380 56 | 599 00 | ..... | 9 | 1,332 |
| St. Mary's Orphan Asylum, Lockport | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 1,115 |
| St. Mary's Orphan Boy's Asylum, Rochester | 22,930 00 | 638 60 | 11,512 49 | 180 00 | 4,827 76 | 7,018 38 | 61 95 | 206 | 52,399 |
| St. Mary's Orphan Asylum, Canandaigua | 3,550 00 | 380 00 | 1,732 91 | ..... | 850 00 | 1,220 00 | 42 91 | 24 | 1,158 |
| St. Mary's Orphan Asylum, Dunkirk | 6,050 00 | 2,787 45 | 1,158 03 | ..... | 1,280 00 | 2,052 56 | 615 92 | 29 | 7,647 |
| St. Patrick's Female Orphan Asylum, Rochester | 34,481 23 | 468 50 | 5,849 65 | 787 53 | 3,796 32 | 1,261 06 | 473 24 | 161 | 31,203 |
| St. Patrick's Orphan Asylum, Newburgh | 10,200 00 | 6,216 00 | 1,600 00 | 1,200 00 | 3,000 00 | 13,897 00 | ..... | 71 | 15,956 |
| St. Peter's German Roman Catholic Orphan Association, Rondout | 800 00 | ..... | 2,609 67 | ..... | 208 35 | 9 90 | 2,391 42 | 5 | 329 |
| St. Stephen's Orphan Asylum, New York | ..... | 1,363 22 | 9,177 34 | 1,098 00 | 7,089 88 | 2,276 85 | 75 83 | 209 | 48,904 |
| St. Thomas' Orphan Asylum, Batavia | 9,770 00 | 1,151 29 | 140 72 | ..... | 2,420 25 | 6,997 54 | ..... | 20 | 3,673 |
| St. Vincent's Female Orphan Asylum, Albany | 27,324 92 | 872 16 | 9,989 40 | 350 00 | 7,123 55 | 3,192 16 | 195 85 | 148 | 44,923 |
| St. Vincent's Male Orphan Asylum, Albany | 25,302 11 | 1,227 59 | 14,684 52 | 863 34 | 6,068 64 | 9,083 82 | 16 21 | 151 | 41,378 |
| St. Vincent's Female Orphan Asylum, Buffalo | 17,611 56 | 1,771 90 | 8,171 89 | 253 00 | 2,622 39 | 6,295 52 | 772 88 | 162 | 39,916 |
| St. Vincent's Male Orphan Asylum, Utica | 20,645 44 | 741 19 | 9,271 81 | 606 94 | 5,723 19 | 1,738 97 | 1,943 90 | 131 | 30,135 |
| St. Vincent's Female Orphan Asylum, Troy | 16,100 00 | 2,014 05 | 11,323 13 | 740 45 | 7,352 98 | 5,148 35 | 96 00 | 141 | 38,535 |
| St. Vincent de Paul Orphan Asylum, Syracuse | 36,688 96 | 4,316 41 | 9,768 28 | 1,412 39 | 5,847 89 | 8,135 45 | ..... | 132 | 37,128 |
| St. Vincent de Paul Orphan Asylum, New York | 75,000 00 | 1,524 04 | 20,651 40 | 1,846 64 | 9,394 41 | 9,054 38 | 1,880 01 | 190 | 49,686 |
| Troy Catholic Male Orphan Asylum | 89,994 20 | 6,378 21 | 22,929 80 | 1,779 73 | 7,440 37 | 19,917 84 | 169 87 | 176 | 45,364 |
| Troy Orphan Asylum | 63,000 00 | 5,580 04 | 13,630 06 | 1,364 25 | 7,793 57 | 8,841 21 | 1,211 07 | 132 | 35,311 |
| Union Home and School for the Education and Maintenance of the Children of Volunteers, New York | 81,869 97 | 2,248 27 | 51,904 21 | 5,819 50 | 18,599 98 | 22,268 29 | 7,464 71 | 262 | 78,325 |
| Utica Orphan Asylum | 102,660 50 | 768 23 | 7,787 36 | 1,673 66 | 5,491 93 | 1,024 29 | 365 91 | 138 | 30,814 |
| Widow and Infants' Orphan Asylum, Buffalo | 15,372 65 | 315 84 | 4,824 42 | 1,000 00 | 1,267 65 | 2,822 61 | 50 00 | 169 | 16,319 |
| | | | | | | | | No. of beneficiary p'tients | |
| HOSPITALS. | | | | | | | | | |
| Albany City Hospital | 86,396 82 | 8,372 25 | 19,829 33 | 2,157 00 | ..... | 17,319 83 | 8,724 75 | 437 | 12,380 |
| Buffalo Hospital of the Sisters of Charity | 65,012 45 | 3,281 57 | 17,642 76 | 1,505 37 | ..... | 19,363 18 | 55 78 | 457 | 30,130 |
| General Hospital, Buffalo | 63,153 09 | 2,971 18 | 23,700 36 | 5,276 59 | ..... | 21,394 46 | 49 | 787 | 30,320 |
| German Hospital and Dispensary, New York | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 292 | 12,483 |
| Long Island College Hospital, Brooklyn | 79,000 00 | 6,624 20 | 37,330 41 | 2,177 06 | ..... | 41,339 96 | 447 59 | 530 | 16,848 |
| Mount Sinai Hospital, New York | 57,844 17 | 3,138 72 | 14,006 13 | 4,346 58 | ..... | 14,425 30 | 17,998 75 | 717 | 18,318 |
| New York Cancer Hospital | ..... | ..... | ..... | 38 90 | ..... | 1,215 34 | ..... | 46 | 1,098 |
| New York Infirmary for Women and Children | 18,250 00 | 604 93 | 5,479 05 | 325 00 | ..... | 5,701 05 | 57 93 | 139 | 4,325 |
| New York Ophthalmic Hospital | 54,760 00 | 4,225 06 | 20,507 95 | 631 33 | ..... | 23,645 81 | 455 87 | 1,505 | 52,546 |
| New York Ophthalmic and Aural Institute | 80,000 00 | 1,000 00 | 8,379 31 | ..... | ..... | 15,512 15 | ..... | 306 | 1,736 |
| New York Society for the Relief of the Ruptured and Crippled | 363,033 60 | 10,000 00 | 116,353 78 | 11,629 81 | ..... | 99,529 43 | 15,194 54 | 177 | 32,577 |
| Nursery and Child's Hospital, New York | 63,256 17 | 25,000 00 | 64,180 29 | 4,499 43 | ..... | 75,520 11 | 6,675 09 | 530 | 7,380 |
| Rochester City Hospital | 80,000 00 | 1,348 00 | 14,519 55 | 1,035 25 | ..... | 14,832 30 | 112 27 | 380 | 27,695 |
| S. R. Smith Infirmary, Richmond county | ..... | 1,541 64 | 2,397 82 | 928 50 | ..... | 3,005 04 | 5 92 | 118 | 2,608 |
| St. Elizabeth's Hospital and Home, Utica | 6,230 01 | 2,500 00 | 6,650 52 | 138 24 | ..... | 9,747 81 | 10 42 | 44 | 3,700 |

XXV — (*Continued*).

| | Value of property of all kinds exclusive of indebtedness. | Receipts for year ending Sept. 30, 1871. | | Expenditures for year ending September 30, 1871. | | | Cash on hand Oct. 1, 1871. | Children supported. | |
|---|---|---|---|---|---|---|---|---|---|
| | | From State. | All other sources including balance from previous year. | Salaries. | Support. | Other purposes. | | In asylum during year. | Time of support. No. of days. |
| St. Frances' Asylum and Hospital, Buffalo | $48,372 79 | $3,230 24 | $7,007 72 | ..... | ..... | $9,847 65 | $390 62 | 115 | 22,017 |
| St. Frances' Hospital of the Sisters of the Poor, New York | 103,000 00 | 9,568 39 | 58,381 61 | $720 00 | ..... | 67,230 00 | ..... | 1,009 | 38,104 |
| St. Joseph's Hospital, Syracuse | 14,994 67 | 3,822 67 | 5,867 39 | 218 72 | ..... | 9,434 79 | 36 25 | 180 | 8,265 |
| St. Mary's Hospital of the Sisters of Charity, Rochester | 194,150 13 | 24,572 57 | 24,518 83 | 6,175 25 | ..... | 39,891 73 | 3,024 32 | 1,370 | 92,294 |
| St. Mary's Female Hospital, Brooklyn | 5,891 63 | ..... | 7,038 42 | 174 00 | ..... | 6,799 42 | 65 00 | 109 | 2,704 |
| St. Mary's Lying-in Hospital, Buffalo | 15,372 75 | 1,249 34 | 6,639 79 | 539 37 | ..... | 7,262 41 | 87 35 | 87 | 9,387 |
| St. Peter's Hospital, Albany | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 107 | 5,445 |
| St. Peter's Hospital, Brooklyn | 52,000 00 | 14,179 00 | 11,129 31 | ..... | ..... | 25,315 84 | ..... | 1,000 | 39,362 |
| Thanksgiving Hospital, Cooperstown | 8,500 00 | 395 40 | 2,127 03 | 545 25 | ..... | 1,960 81 | 443 16 | 35 | 4,254 |
| St. Vincent's Hospital, New York | 89,780 87 | 6,834 51 | 40,892 97 | 2,138 81 | ..... | 45,125 62 | 463 05 | 495 | 15,409 |
| Women's State Hospital, New York | 181,496 64 | 1,000 00 | 77,374 77 | 24,141 54 | ..... | 54,037 56 | 195 67 | 59 | 7,830 |
| DISPENSARIES. | | | | | | | | | |
| Albany Hospital Dispensary | ..... | 1,000 00 | ..... | 500 00 | ..... | 1,800 00 | ..... | 3,595 | ..... |
| Bond Street and Branch Tompkins Square Homœopathic Dispensary, New York | 2,250 00 | 2,500 00 | 6,299 76 | 2,850 00 | ..... | 5,619 50 | 330 26 | 41,714 | ..... |
| Brooklyn Eclectic Dispensary | 300 00 | ..... | 1,835 89 | 120 00 | ..... | 1,218 15 | 497 74 | 11,434 | ..... |
| Central Dispensary, New York | ..... | ..... | 1,840 62 | 1,356 35 | ..... | 576 76 | ..... | 5,708 | ..... |
| Demilt Dispensary, New York | 57,700 00 | 1,000 00 | 7,588 81 | 4,053 10 | ..... | 4,471 25 | 64 46 | 27,357 | ..... |
| Dispensary of the Brooklyn Homœopathic Hospital | 6,786 81 | 500 00 | 8,785 16 | 661 31 | ..... | 8,779 51 | ..... | 8,765 | ..... |
| Dispensary of the German Medical Society, Brooklyn | 600 00 | ..... | 50 00 | ..... | ..... | 600 00 | ..... | 700 | ..... |
| Dispensary and Hospital Society of the Women's Institute, New York | ..... | ..... | 509 50 | ..... | ..... | 1,289 70 | ..... | 371 | ..... |
| Eclectic Medical Dispensary, New York | 8,000 00 | 2,500 00 | 3,544 17 | 370 00 | ..... | 3,230 00 | 2,444 17 | 3,734 | ..... |
| Free Medical and Surgical Dispensary, Buffalo | 1,000 00 | ..... | 2,399 09 | 178 35 | ..... | 2,041 32 | 178 42 | 3,495 | ..... |
| Gates Avenue Homœopathic Dispensary, Brooklyn | ..... | 500 00 | 1,500 00 | 500 00 | ..... | 1,498 69 | 1 31 | 2,568 | ..... |
| German American Dispensary, New York | 98 00 | ..... | 677 45 | 114 00 | ..... | 711 82 | ..... | 811 | ..... |
| German Hospital and Dispensary, New York | 254,001 81 | 3,824 00 | 33,876 73 | 12,006 84 | ..... | 20,404 41 | 6,188 48 | 600 | ..... |
| Harlem Dispensary, New York | 1,900 00 | 1,000 00 | 1,993 17 | 864 34 | ..... | 1,749 28 | 379 55 | 3,547 | ..... |
| Hoffman Dispensary New York | 1,906 94 | ..... | 1,277 36 | 450 00 | ..... | 518 46 | 308 90 | 2,431 | ..... |
| Infirmary of the New York College of Dentistry | 2,539 00 | ..... | 3,287 60 | 1,160 00 | ..... | 1,977 08 | 150 52 | 3,895 | ..... |
| Long Island College Hospital Dispensary, Brooklyn | ..... | 500 00 | 3,981 20 | 800 00 | ..... | 3,681 20 | ..... | 8,237 | ..... |
| Manhattan Dispensary, New York | 711 00 | 2,000 00 | 1,729 66 | 415 65 | ..... | 2,538 20 | 854 15 | 2,909 | ..... |
| Morrisania Homœopathic Dispensary | ..... | 500 00 | 28 00 | 270 00 | ..... | 323 95 | ..... | 963 | ..... |
| New York Infirmary Dispensary | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5,760 | ..... |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| New York Eye and Ear Infirmary | 205,440 11 | 1,000 00 | 30,866 63 | 2,452 88 | ..... | 27,917 16 | 1,496 59 | 9,468 | ..... |
| New York Homœopathic Dispensary | ..... | 2,000 00 | 1,966 52 | 1,948 34 | ..... | 1,958 75 | 59 43 | 9,742 | ..... |
| New York Dispensary for Diseases of the Skin | ..... | ..... | 714 67 | ..... | ..... | 714 67 | ..... | 289 | ..... |
| New York Dispensary for the Treatment of Cancer | ..... | 1,000 00 | 1,000 00 | ..... | ..... | 2,000 00 | ..... | 360 | ..... |
| New York Dispensary for Diseases of the Throat and Chest | 400 00 | ..... | 3,305 05 | 120 00 | ..... | 2,825 00 | 360 00 | 487 | ..... |
| Northern Dispensary, New York | 31,700 00 | 500 00 | 4,209 37 | 3,198 00 | ..... | 1,633 26 | ..... | 18,446 | ..... |
| Northeastern Dispensary, New York | 2,700 48 | 1,500 00 | 2,124 81 | 1,597 61 | ..... | 1,376 50 | 650 70 | 18,625 | ..... |
| Northeastern Homœopathic Dispensary, New York | 1,700 00 | 3,000 00 | 2,899 45 | 1,497 00 | ..... | 2,685 41 | 1,717 04 | 2,913 | ..... |
| Northeastern Homœopathic Medical and Surgical Dispensary, N. Y. | 1,700 00 | 3,000 00 | 2,899 45 | 1,497 00 | ..... | 2,685 41 | 1,717 04 | 9,213 | ..... |
| Orthopœdic Dispensary, New York | 4,210 00 | ..... | 9,120 89 | 1,948 43 | ..... | 7,681 26 | ..... | 267 | ..... |
| Poughkeepsie Dispensary | 160 00 | 800 00 | 195 00 | 350 00 | ..... | 646 11 | ..... | 1,364 | ..... |
| St. Peter's Hospital Dispensary, Albany | 22,000 00 | 5,000 00 | 7,173 58 | 732 28 | ..... | 17,827 53 | 13 35 | 1,582 | ..... |
| Western Dispensary for Women and Children, New York | 150 00 | 300 00 | 1,303 17 | ..... | ..... | 1,071 85 | 531 32 | 2,244 | ..... |
| Western Homœopathic Dispensary, New York | 100 00 | 1,500 00 | 1,705 23 | 1,183 00 | ..... | 1,065 36 | 834 45 | 14,295 | ..... |
| Williamsburgh Dispensary | 1,000 00 | 750 00 | 2,306 89 | 1,007 71 | ..... | 1,598 78 | 465 59 | 8,197 | ..... |
| MISCELLANEOUS. | | | | | | | | | |
| Brooklyn Homœopathic Hospital | 7,500 00 | ..... | 9,048 56 | ..... | ..... | 8,550 00 | 498 56 | ..... | ..... |
| Hebrew Benevolent Society, Albany | ..... | 500 00 | 2,272 66 | ..... | ..... | 2,589 47 | 183 19 | ..... | ..... |
| James Street Industrial School, New York | 83,000 00 | 3,000 00 | 1,570 00 | 900 00 | 1,906 00 | 1,570 00 | 194 00 | ..... | ..... |
| Mariner's Family Industrial Society of the Port of New York | 6,792 91 | 2,500 00 | 1,402 08 | 1,615 15 | 6,354 67 | 2,878 57 | 53 34 | ..... | ..... |
| Rochester Female Charitable Society | 2,700 00 | ..... | 2,426 98 | ..... | ..... | 2,233 74 | ..... | ..... | ..... |
| St. Joseph's Institute, New York | 12,680 93 | ..... | 4,211 93 | 940 00 | ..... | 3,251 93 | 20 00 | ..... | ..... |
| St. Mary's School for Girls, Albany | ..... | 238 66 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| St. Peter's Institute, Barclay street, New York | 19,631 51 | ..... | 4,682 84 | 1,385 00 | 4,031 32 | 1,312 62 | ..... | ..... | ..... |
| Wayside Industrial Home, New York | 150 00 | 2,000 00 | 8,341 35 | ..... | ..... | 2,387 50 | ..... | 276 pu. | ..... |
| Women's Aid Society and Home for Training Young Girls, N. Y. | 1,500 00 | ..... | 4,506 82 | ..... | ..... | 4,506 82 | ..... | ..... | ..... |
| New York Seamen's Association | 58,000 00 | ..... | 6,500 00 | 3,000 00 | ..... | 1,000 00 | ..... | ..... | ..... |

## ( XXVI. )

*To the Comptroller of the State of New York:*

In pursuance of the requirements of chapter 481 of the Laws of 1866, I, Ezra Cornell, do respectfully report:

*First.* That in October, 1870, I sold one-quarter section of 157 55-100 acres, at six dollars per acre. Twenty-five dollars was paid at the date of the sale, and the balance was made payable in ten years, with interest at seven per cent, payable semi-annually, at the First National Bank, Ithaca.

In December, 1870, I contracted with perfectly responsible parties for the sale of 150,000 acres of pine timber lands in the State of Wisconsin, at the price of four dollars per acre. The selections are to be so made as to take only a fair average quality of the lands entered by me for the Cornell University. Security is also provided against the removal of timber before the land is paid for. I received in payment, at the time of making the sale, $10,000. The balance is made payable in ten years, with interest at six per cent, payable semi-annually at Ithaca. The first payment of interest was paid to me when due. The above sale I was induced to make by the urgent written request of nearly all the trustees of the Cornell University, and of the Governor and Comptroller of the State.

In May, 1871, I sold in Kansas, thirteen quarter sections, making 2,080 acres, at five dollars per acre, cash, amounting to $10,400.

In June, 1871, I contracted with like responsible parties for the sale of 100,000 acres of pine timber lands in Wisconsin, at five dollars per acre, payable in ten years from the date of the contract, with six per cent interest, payable semi-annually. The lands to be so selected as to represent an average of the quality of the lands entered by me for the Cornell University, and security provided against the removal of timber before the land is paid for.

There have been some other sales made by agents, of which I have not yet received the account. A future report will be made of these sales.

*Second.* I have paid on account of taxes on the University lands during the past year, as follows:

| | |
|---|---|
| In the State of Wisconsin | $29,348 61 |
| In the State of Minnesota | 701 83 |
| In the State of Kansas | 295 65 |
| | $30,346 09 |

STATE OF NEW YORK, }
CITY AND COUNTY OF ALBANY, } *ss:*

Ezra Cornell, of Ithaca, being duly sworn, says that the foregoing report is true.

EZRA CORNELL.

Subscribed and sworn to before me }
this 29th of November, 1871. }

HENRY GALLIEN,
*Notary Public. Albany, N. Y.*

## (XXVII.)

*SCHEDULE of expenditures on account of the New Capitol, classified from the abstracts of the Commissioners to the Comptroller, from the commencement of the work in December,* 1867, *to September* 30*th*, 1871, *viz.:*

| | | |
|---|---|---|
| Stone | $677,491 48 | |
| Brick | 65,225 61 | |
| Lime and cement | 68,033 18 | |
| Sand and gravel | 30,565 66 | |
| Lumber | 26,622 05 | |
| Hardware | 32,886 33 | |
| Foremen, mechanics and laborers | 605,694 63 | |
| Teaming | 144,471 56 | |
| Architects and engineers and expenses of surveyings | 92,200 72 | |
| John Bridgford, superintendent | 18,250 00 | |
| Assistant treasurer, salary, fees and clerk hire | 7,913 92 | |
| Rent and expenses of inspector's department | 18,013 35 | |
| Clerk hire and expenses of commissioners' office | 7,754 38 | |
| Legal services | 4,811 61 | |
| Freight and cartage | 11,544 56 | |
| Albany Horse Railroad Company, for hauling stone, sand and gravel, and laying track | 40,888 81 | |
| Platform cars for transportation of stone | 5,933 29 | |
| Steam engine and boilers | 5,240 00 | |
| Stone breaker | 1,709 80 | |
| Derricks (complete) | 1,042 00 | |
| One truck wagon | 1,059 92 | |
| Plumbing | 4,332 39 | |
| Printing, stationery and postage | 4,434 66 | |
| Rents | 5,816 00 | |
| Expense of appraising property and assessing damages, | 625 50 | |
| James Hall, for services examining quarries and testing quality of stone | 1,891 96 | |
| Removing portion of Congress Hall | 5,000 00 | |
| Miscellaneous | 15,032 76 | |
| | | $1,904,486 13 |

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# ANNUAL FINANCIAL REPORT

OF THE

# Auditor of the Canal Department

OF THE

# STATE OF NEW YORK.

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TRANSMITTED TO THE LEGISLATURE, JANUARY 2, 1872.

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ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

# STATE OF NEW YORK.

No. 4.

# IN ASSEMBLY,

January 2, 1872.

## ANNUAL FINANCIAL REPORT

## OF THE AUDITOR OF THE CANAL DEPARTMENT.

STATE OF NEW YORK:

CANAL DEPARTMENT,
ALBANY, *January* 2, 1872.

*To the Speaker of the Assembly:*

SIR.—I have the honor herewith to transmit the Annual Financial Report, required by law from the Auditor of the Canal Department, for the fiscal year ending September 30th, 1871.

Yours, very respectfully,

G. A. DAYTON,
*Auditor.*

# FINANCIAL REPORT OF THE AUDITOR.

STATE OF NEW YORK,

CANAL DEPARTMENT,
ALBANY, *Dec. 30th*, 1871.

*To the Legislature of the State of New York:*

In compliance with the requirements of law, the Auditor respectfully submits the following statement of the receipts and payments on account of the canals, and the canal debt, and the balances of the funds on hand and in the treasury, the depositories of the same, and the condition thereof at the close of the fiscal year, ending September 30th, 1871.

Accompanying this report are full and detailed statements in tabular form, showing the condition of the Canal Fund, the amount of funds in the treasury and deposit banks, and their condition, the sources from which the same are derived, and the objects for which payments have been made. Statements are also given of the character and condition of the securities belonging to the Repair Trust and Sinking Funds, in the custody of this department, showing the unexpended balances and specific legislative appropriations, and the objects for which such appropriations were made.

In that portion of this report relating to the financial affairs of the canals, the order and arrangement of former reports will be followed, as being more convenient for reference.

REVENUES FOR THE FISCAL YEAR ENDING SEPTEMBER 30TH, 1871.

The following exhibit shows the entire amount of revenues from all sources, other than taxation of all the canals of the State, for the last fiscal year. The expenditures and payments are also given for the same period, and the application of the surplus revenues in accordance with the requirements of the Constitution.

REVENUES AND EXPENDITURES OF THE FISCAL YEAR.

Statement of the revenues of the canals, with the expenses of collecting the tolls and ordinary repairs, during the fiscal year ending September 30th, 1871.

*Receipts.*

| | | | |
|---|---|---|---|
| Tolls | | | $2,813,686 29 |
| Rent of surplus water | | | 1,267 50 |
| Interest on current revenues | | | 23,661 00 |
| Miscellaneous receipts | | | 3,935 15 |
| | | | $2,842,549 94 |

*Payments for Ordinary Repairs.*

| | | | |
|---|---|---|---|
| To Canal Commissioners for ordinary repairs | $185,697 83 | | |
| To contractors for repairs | 549,049 34 | | |
| To superintendents for ordinary repairs | 731,920 28 | | |
| Total expenditure for ordinary repairs, | | $1,466,667 45 | |
| *Payments made to Superintendents, Collectors, Weigh-masters and their Assistants, and clerks for services.* | | | |
| To collectors for salaries, clerk hire, pay of inspectors, and expenses of collector's offices | $89,054 49 | | |
| To weigh-masters and assistants | 14,044 12 | | |
| Total amount for collecting revenues. | | 103,098 61 | |
| For salaries chargeable to the annual revenues, refunding tolls, printing, and other miscellaneous payments, | | 88,851 19 | |
| | | | 1,658,617 25 |
| | | | $1,183,932 69 |
| Reserve for payment of appropriations under act chapter 653, Laws of 1871 | | | 202,344 01 |
| Surplus revenues of the canals for the fiscal year ending September 30th, 1871 | | | $981,588 68 |

This surplus revenue, amounting to $981,588.68, has been appropriated and set apart in accordance with the provisions of article seven of the Constitution, to Sinking Fund, under section two.

SUMMARY STATEMENT.

The financial condition of the canals for the last fiscal year is as follows:

| | |
|---|---|
| Balance in the treasury and invested Oct. 1, 1870... | $2,743,441 87 |
| Received from all sources during the fiscal year ending September 30th, 1871..... | 6,956,867 40 |
| | $9,700,309 27 |
| Paid during the same period..... | 5,200,692 25 |
| Leaving a balance Sept. 30th, 1871, of ..... | $4,499,617 02 |

Said balance is invested and deposited as follows, viz.:

| | |
|---|---|
| Amount deposited in banks..... | $4,445,818 02 |
| Amount invested in U. S. 10-40 bonds..... | 50,000 00 |
| Real estate, etc., Bank of Corning..... | 3,799 00 |
| | $4,499,617 02 |

*Canal Debt paying interest 30th September*, 1871.

| | Principal. | Annual interest. |
|---|---|---|
| Under article 7, section 1, of the Constitution ..... | $1,106,420 00 | $55,321 00 |
| Under article 7, section 3, of the Constitution ..... | 9,285,000 00 | 557,100 00 |
| Under article 7, section 12, of the Constitution..... | 1,575,000 00 | 94,500 00 |
| | $11,966,420 00 | $706,921 00 |

*Debt after Balances of Sinking Funds have been applied.*

The application of the balances of the several sinking funds which are now in the treasury and temporarily invested, to the payment of the Canal Debt, would reduce it as follows:

| | Total Canal Debt Sept. 30, 1871. | Balance of sinking funds, Sept. 30, '71, including temporary investments. | Balance of debt after applying sinking funds. |
|---|---|---|---|
| Under article 7, section 1, of the Constitution ..... | $1,106,580 00 | $1,133,591 56 | ..... |
| Under article 7, section 3, of the Constitution ..... | 9,285,000 00 | ..... | $9,285,000 00 |
| Under article 7, section 12, of the Constitution .... ..... .... | 1,575,000 00 | 877,401 36 | 697,598 64 |
| | $11,966,580 00 | $2,010,992 92 | $9,982,598 64 |
| Deduct overplus in Sinking Fund for debt under article 7, section 1.. | | | 27,011 56 |
| | | | $9,955,587 08 |
| Add deficiency in Sinking Fund under article 7, section 3 ..... | | | 356,766 65 |
| Debt after applying all the sinking funds ..... ..... | | | $10,312,353 73 |

## Canal Debt Outstanding.

The unpaid and outstanding Canal Debt, on the 30th September last, and for which certificates of stocks have been issued, is $11,966,580, maturing as follows: in

| | | |
|---|---|---|
| 1837 | $160 00 | |
| 1872 | | $2,257,900 00 |
| 1873 | | 5,150,100 00 |
| 1874 | | 3,205,420 00 |
| 1875 | | 473,000 00 |
| 1877 | | 880,000 00 |
| Amount paying interest | | $11,966,420 00 |
| Amount not paying interest | | 160 00 |
| Total debt | | $11,966,580 00 |

The average rate of interest on this debt is $5\frac{9}{100}$ per cent.

These stocks were, on the 30th September, 1871, held as follows, viz.:

| | |
|---|---|
| In the United States | $9,917,120 00 |
| In foreign countries | 2,049,300 00 |
| | $11,966,420 00 |

| | |
|---|---|
| The annual interest on the stock debt, under article 7, section 3, of the Constitution, is | $557,100 00 |
| Amount required to purchase coin for the payment thereof, estimating coin at ten per cent premium | 55,710 00 |
| | $612,810 00 |

On the 30th September, 1871, the Sinking Fund, under this section, was overdrawn $356,766.65, in payment of the interest on this debt.

## General Fund Debt.

In addition to the above stock indebtedness, the canal revenues are chargeable with a portion of the general fund debt of the State, known as the General Fund Debt, for which the canals are liable. This debt is now, in accordance with the provisions of section 2 of article 7 of the Constitution, the first lien on the "*surplus revenues*," and on the 30th Sept., 1871, was $4,040,026.40. The Sinking Fund applicable to payment thereof, amounted to $1,805,744.29.

It will be seen from the preceding statements that, on the 30th day of September last, the aggregate amount of canal and General Fund indebtedness, for which certificates of stock have been issued, and now bearing interest, was $16,006,606.40.

The interest on this debt is payable quarterly, on the first days of January, April, July and October, in gold.

The sum required annually to pay the interest on the above debt, estimating the premium on gold at ten per cent, is $1,020,671.52.

### Revenues — Comparative Statement.

The following statement shows the aggregate receipts and payments on account of the *ordinary* expenses of the canals for the last two years:

| | 1870. | 1871. |
|---|---|---|
| Receipts from tolls, etc. | $3,107,138 90 | $2,842,549 94 |
| Payments to superintendents and repair contractors | $1,346,262 71 | $1,280,969 62 |
| Payments by Canal Commissioners for repairs | 421,455 37 | 185,697 83 |
| Payments to collectors and their assistants and weigh-masters | 104,496 39 | 103,098 61 |
| Refunding tolls, salaries of officers, etc | 73,421 45 | 88,851 19 |
| Advanced by deposit banks or reserved for ordinary repairs prior to 30th September | 591,528 37 | 202,344 01 |
| Total expense for the year | $2,537,164 29 | $1,860,961 26 |
| Net receipts | 569,974 61 | 981,588 68 |

This statement shows a falling off in the toll receipts of the last fiscal year as compared with those of 1870, of $264,588.96; but included in the receipts for tolls in 1870 (which has reference to the fiscal year from October 1st, 1869, to September 30th, 1870), are the collection of tolls at the higher rates then in force, from and including September to the close of navigation in 1869, it being about three-sevenths of a year's collections, which accounts for the excess of tolls for 1870 over those received in 1871. There is quite a gain in the net receipts owing to the large decrease in the cost of maintaining and repairing the canals, viz.:

| | |
|---|---|
| Decrease in expenditures | $676,203 03 |
| Less decrease in receipts | 264,588 96 |
| Increase in net receipts | $411,614 07 |

### Repair Trust Fund.

This fund is composed of deposits made by repair contractors, to secure the faithful performance of their several contracts.

| | |
|---|---|
| The balance of this fund on hand, as per last report was | $36,826 01 |
| Interest on same during the year | 1,656 64 |
| Balance 30th September, 1871 | $38,482 65 |

### Tolls, Indebtedness and Constitutional Obligations.

By the Constitution of 1846, stringent provisions were enacted to secure the appropriation of the surplus revenues of the canals to the payment of the canal debt and the liquidation of the claim of the general fund upon the canal revenues, as those claims were then adjusted. The design of the framers of that instrument, was to prevent a diversion of the earnings of the canals from the purposes to which they were devoted. The principles of the Constitution were not departed from in the amendment to section three of article seven, adopted in 1854.

A faithful observance of and adherence to the plain provisions of the Constitution in the administration of the finances of the State, and especially of those pertaining to the canals, will discharge the Canal Debt and the General Fund Debt charged upon the canal revenues, and leave the State free to adopt such policy as to canal tolls as shall be deemed most promotive of the interests of commerce. It will be in the power of the Legislature, after the payment of the debts, to make such regulations, and to impose only such burdens as will secure the largest amount of tonnage to the canals, and best advance the interests of the citizens furnishing the capital and means for and transacting the business upon them. Those who invest their capital in canal property and risk their services in the management and care of the property and prosecution of their business, are entitled to the reasonable encouragement of the State, and to be protected so far as is necessary and consistent with the just rights of others, from the ruinous aggressions and encroachments of competing routes and means of transportation by which not only is trade lost to the canals, but

commerce diverted from the State. The commercial and financial interests of the State coincide with the interests of the boatmen and freighters upon the canals, and each demands the same liberal action, with a view to relieve the trade and commerce of all unnecessary burdens.

But so long as the constitutional obligations remain, and the charges upon the canal revenues are unsatisfied, there is a practical inhibition upon the Legislature against reducing the canal tolls beyond a certain limit as well as against diverting the revenues to any purpose other than as specifically authorized.

The Canal Board did, two years since, with the consent of the Legislature, and in view of the rapidly declining commerce of the canals, caused by the great diversion of trade to other routes, and to a great extent out of the State, reduce the canal tolls on many articles below the rates prescribed by the toll sheet of 1852. The Canal Board regarded this reduction as a necessity, and the Legislature acquiesced in and assented to its action. The tolls were then reduced to the lowest point, which the present charges upon the canals will justify or permit. The wisdom of the action of the Canal Board has been vindicated by the result. Trade before then diverted has been restored to the canals, and increased tonnage has compensated for the reduction in the rate of tolls. The gross earnings of the canals for the past season of navigation demonstrate that the State is gaining pecuniarily by the change in the toll sheet thus made, and it is not probable that a return to high tolls, such as were collectible when there was less competition for freight, will be found either wise or practicable. The results of the business of the last season, which may be said to be the first in which the practical effect of the diminution of the rate of tolls has been felt, show that the canals, under a proper administration of their revenues, will, in a brief period of time, fully pay and discharge every claim upon them and leave the canals free from encumbrance, capable of yielding large revenue to the State, in ease of the burdens upon the tax-payer; and at the same time adding largely to the wealth of the State by the commerce they attract to its borders, and the remunerative employment they give to a large and worthy class of citizens and a vast capital. To accomplish this result, however, the requirements and prohibitions of the Constitution must be rigidly adhered to and observed in their spirit.

A liberal or loose construction, that which should authorize a diversion of the earnings of the canals to purposes not within the purview of that instrument, may and would be likely to defeat the intention

of its framers. Notwithstanding the increase of tonnage, the gross amount of tolls collected under the reduced toll-sheet are less than they were under the higher rates of toll, and before the trade was so seriously diverted, as it was immediately prior to the reduction, and we cannot count upon an increase with any certainty. To insure the payment of the debts charged upon the canal revenues from the earnings of the canals, taking the present year as the standard for the average of years, and this is as far as prudence or a wise economy will authorize as an estimate for the future, the funds must be administered with integrity and strict economy.

The economy must have respect to the amount as well as the object of expenditures. It is a mistake to suppose that large expenditures and an improved navigation are necessarily connected. The latter can be better secured by a wise economy than by a lavish and extravagant expenditure of money.

The expenses of collecting the tolls and of the superintendence of the canals should be, if they are not already, reduced to the minimum consistent with a good navigation, the preservation of the canals, and the proper collection and payment into the treasury of the revenues. What may have appeared a justifiable expenditure with a large revenue, may possibly be properly curtailed with diminished revenues; and it may be the part of wisdom in adopting as a permanent policy a system of reduced tolls, to revise the system of expenditures with a view to conform them to the altered balance-sheet. In addition to the expense of collection and superintendence, the only other item of expenditure to which the revenues of the canals can be constitutionally applied, except to the payment of the debts charged upon them, is for maintenance and ordinary repairs.

## Ordinary Repairs.

The term "ordinary repairs" was employed by those who well understood the distinction between ordinary and extraordinary repairs; those which were necessary to keep and maintain the canals in good navigable condition and efficiency, as they were left when completed; to restore the loss arising from natural decay, and the wear and tear of use and new structures; that which was not a repair of the old, but the addition of something new, not the keeping of the canals to their original capacity, but adding to their capacity by expenditures for original and new additions. The framer of article seven of the Constitution was familiar with the canals, the canal policy, and canal history of the State, having been for many years an acting

Canal Commissioner, and was also familiar with the finances and financial history of the State. His views were adopted by the convention, and by the people of the State, and words were chosen with a view to restrict, rather than enlarge, the powers of those having the administration of the finances and funds of the State.

Within ordinary repairs may be included whatever is necessary to the keeping of the canals in good condition, at the same width and depth as originally constructed, of completed structures in the same good condition, and in that condition essential to the best navigation of which the canals are capable, and in case of decay or destruction of the structures, the replacing them of the same material of which they were originally formed.

The term "ordinary repairs" would not include expenditures for enlarging the canal, building new locks or bridges (except to replace old ones where a necessity for new existed), the building of reservoirs or feeders, new culverts or other expenditures of like character, any more than it would include payment for lands taken for canal purposes. Without criticising past legislation, or referring to particular acts, it may respectfully be suggested that a very liberal interpretation of ordinary repairs has been practically adopted, and appropriations made from the ordinary repair fund which have seriously diminished the amount applicable to the payment of the debt, and which, by a strict interpretation, and in the spirit in which the article was passed, would have been more properly excluded from that class of repairs, and been provided for under some other head. It is respectfully suggested that, at least until the ability of the canals, with their present earnings, to pay the debt, which both the tax-payer and creditor have the right to require, is fully tested, the appropriations under this head from the tolls should be confined to those objects which are clearly ordinary repairs — such as are necessary to keep the canals in good navigable order, as they are now constructed and used.

### Canal Debt and Sinking Funds.

The requirements of section 1 of article 7 have been complied with by making provision for the payment of that portion of the Canal Debt provided for in that section. The Sinking Fund is amply sufficient to meet that debt when it matures. The next charge in order of priority upon the surplus earnings of the canals is an annual contribution of $1,500,000 as a sinking fund to pay the interest and redeem the principal of the General Fund Debt. The first contribution to this sinking fund after provision was made for the payment of the Canal Debt mentioned in section

one was in 1869, when the full amount called for by the section was contributed. At the close of the fiscal year in 1870, the surplus earnings applicable to the General Fund Debt Sinking Fund were but $569,974.61, leaving a deficiency of $930,025.39. The surplus revenues applicable to the General Fund Debt for the year ending September 30th, 1871, were $981,588.68, less by $518,411.32 than the amount called for by the Constitution. The General Fund Debt charged upon the canal revenues, and for which no other provision is made, after the application of the above amounts of surplus revenues, amounted, on the 30th day of September last, to $2,234,282.11, and is redeemable at different periods between this date and 1878.

Estimating the surplus earnings of the canals by the results of the season of navigation just closed, they will suffice to discharge the entire debt charged upon them by April 1st, 1886.

With a wise management of the canal revenues, it is believed that there need be no falling off in the annual contribution to this object; and if the Legislature and the administrative and financial canal officers co-operate to accomplish the payment of the debt, there can be but little doubt it will be extinguished by the day named.

The portion of the canal debt for which the surplus earnings of the canal are pledged by section three of the same article, and known as the "Enlargement Debt" amounted at the close of the last fiscal year, to $9,285,000. The sinking fund to provide for interest and principal of this enlargement debt, was overdrawn in payment of interest during the last fiscal year. The deficiency on the 30th day of September, 1871, amounted to $356,766.65.

A portion of this debt, amounting to $1,562,900, becomes due on the 1st day of July, 1872, and with the deficiency above mentioned, is to be provided for.

The provisions of the Constitution give ample power to the Commissioners of the Canal Fund for that purpose. The provision is that if the "said Sinking Fund shall not be sufficient to redeem any part of the principal at the stipulated times of payment, or to pay any part of the interest of such loans as stipulated the means to satisfy any such deficiency, shall be procured on the credit of the said Sinking Fund." This is but making a new loan on the same pledge to redeem the old. It is only when means cannot be procured upon a credit of the Sinking Fund to satisfy the claim of creditors, that a resort is to be had to taxation by virtue of section four of the same article. So long as the canals yield a surplus after the payment of the expenses of collection, superintendence and ordinary repairs, this pledge, aside

from the credit of the State and the power of taxation, furnishes ample security for any loans that may be needed to satisfy the claims of creditors under this section. The credit of the State, without a pledge of the prospective revenues of the canals, is abundant to enable its financial officers to obtain the means for any purpose for which money may be borrowed under the Constitution. There will be no necessity for legislation upon the subject, the Commissioners of the Canal Fund having ample power to do all that is required to raise the means to redeem the principal about to become due, and make good the Sinking Fund, and by the instrumentalities thus providently prescribed, this portion of the State debt can with ease be extended until the revenues, properly charged with its payment, will be sufficient for that purpose.

The constitutional provisions are wise and abundant, for the occasion, and any legislation, not necessary, might be mischievous in its consequences.

The debt under article 7, of section 12, of the Constitution, created for the payment of the floating debt of the State, by a vote of the people in 1859, amounted to $1,575,000, on the thirtieth day of September, 1871. The Sinking Fund, applicable in payment of the principal and interest on the same day, amounted to $877,401.36. The amount of $695,000 of this debt, becomes due July 1st, 1872, and can be paid from the Sinking Fund.

### Statement of Canal and General Fund Debt.

The Canal Debt on 30th of September, 1871, was:

| | | |
|---|---|---|
| Debt of 1846, under article 7, section 1 | | $1,106,580 00 |
| Enlargement, under article 7, section 3 | | 9,285,000 00 |
| Floating debt, under article 7, section 12 | | 1,575,000 00 |
| | | $11,966,580 00 |
| General Fund Debt, Sept. 30, 1871 | | 4,040,026 40 |
| Total amount of Canal and General Fund debt | | $16,006,606 40 |

### Balances in Sinking Fund 30th September, 1871.

| | | |
|---|---|---|
| Under article 7, section 1 | $1,133,591 56 | |
| Under article 7, section 12 | 877,401 36 | |
| | $2,010,992 92 | |
| Less overdraft on Sinking Fund, under article 7, section 3, to pay interest | 356,766 65 | |
| Net balance in Canal Debt Sinking Fund | $1,654,226 27 | |
| Balance in Sinking Fund for General Fund Debt | 1,805,744 29 | |
| Total balance in Sinking Fund | | 3,459,970 56 |
| Total Canal and General Fund Debt, after applying Sinking Fund | | $12,546,635 84 |

## Payment of Principal and Interest of Canal Debt in Coin.

The State adopted a policy, two or three years since, just to its creditors, and demanded by a proper respect to its obligations, of paying the interest and principal of that portion of the debt contracted before the passage of the legal tender act by Congress, in coin, the currency in which it was contracted. Public policy, as well as common honesty, it was thought, demanded this, and as to a part of the debt, it was peculiarly proper. For a part of the debt, the State received a premium upon the loan, and the creditor was required to, and did make the loan in coin, bought at a large premium. To compel a creditor under such circumstances to accept payment in a depreciated currency, was especially unjust. Whatever individuals may lawfully do, a sovereign State ought to be careful of its credit, and not give any occasion for complaint that its obligations have not been met in their spirit, as well as in their letter. It is believed that the course taken by the financial officers of the State, was not only eminently just, but politic. It has placed the State upon high ground, and has tended to give faith abroad to its credit, and it is not probable that it will be thought expedient to depart from this course in the future, or to do anything having the semblance of repudiation.

## Canal Repairs.

A diversity of opinion exists as to the best manner of managing our canals. Different methods have been adopted and in turn abandoned. The contract system was inaugurated in 1854, but did not come into full operation until 1860, and was discontinued in 1870. The system of superintendents, which had formerly prevailed, was substituted. Either system, faithfully executed, would undoubtedly give us good navigation without unnecessary or extravagant expenditure, but neither has proved perfect or has entirely satisfied the people. The superintendent system has proved the most satisfactory, and under it the best navigation has been secured. But there are imperfections in this system, which legislative wisdom, having the benefit of past experience, may remedy. The great difficulty is in keeping the expenses of maintenance and repairs within proper limits, and if by sound legislative enactments the superintendents can be held to a more strict accountability, and more effectually controlled in their expenditures, much will be done to remove the objections to the system. The whole subject is respectfully submitted to the Legislature for such action as shall be thought wise.

## Contracts for Repairs.

The following contracts for repairs of superintendents' sections expired on the 31st day of December, 1871:

Section 1, Erie canal.
Section 10, Erie canal.
Section 11, Erie canal.
Section 1, Oswego canal.
Chemung canal.

The contracts for repairs still remaining in force will expire as follows:

Section 14, Erie canal, expires December 31st, 1872.
Section 2, Chenango canal, expires December 31st, 1872.
Section 8, Erie canal, expires December 31st, 1873.
Section 2, Oswego canal, expires December 31st, 1873.
Crooked Lake canal, expires December 31st, 1873.

## New Feeder.

An important and necessary feeder has been constructed during the year by taking Oriskany creek to supply the deficiency of water in the long level. This additional supply of water has served to maintain good navigation on the level during the severe drouth of the season, and has effectually supplied a want which has been felt for many years of a sufficiency of water on that level, and at a very moderate expenditure.

## Federal Tax on Canal Boats.

The federal government has, on different occasions, claimed the right to impose a tax on the canal commerce of this State, holding that canal boats, after leaving the terminus of a canal and passing down the Hudson river with their cargoes to New York, and returning with freight for the canals, were liable to all the provisions of the coasting laws, which include fees for enrollment, license, admeasurement and marine hospital purposes.

In 1846, Congress passed an act exempting canal boats from the payment of these fees, but the law was disregarded by the treasury department until 1857, when these exactions were declared illegal by the supreme court of the United States, and the treasury department acquiescing in the decision, directed the discontinuance of the practice and the refunding of the fees previously collected.

During the past ten years, however, the practice of collecting these fees has been revived, as changes have occurred in the treasury depart-

ment, but not without repeated protests from this department. In February, 1862, the question was referred to Hon. S. P. Chase, then secretary of the treasury, who, after a full examination of the subject in dispute, decided that the exaction of fees from canal boats was improper, and directed its discontinuance, and that the fees improperly collected should be refunded. This decision was affirmed some three years later by the Hon. Hugh McCulloch, then secretary of the treasury.

During the past year, under the orders of the present secretary of the treasury, fees have been again exacted from canal boats, and their payment enforced.

The attempt to transform canal boats into vessels, and make them amenable to the coasting laws because they enter tide water, is a great annoyance to the internal trade of the State. It has repeatedly been held by the courts of our own State that canal boats, though they may pass out of the canal and transport their cargoes by river to New York, and bring back return cargoes, are not vessels of which an enrollment and license under the coasting laws can be required.

The claim is believed to be without just foundation, and as it is in direct hostility to the policy of the State, and the efforts now being successfully made by the State authorities to attract commerce to the canals, by improving the navigation, as well as by removing every hindrance and burden, the attention of the Canal Board was called to the subject, and that body directed the Attorney-General to take measures to test the legality of the exactions. It is now submitted to the Legislature, that such other and further steps may be taken for the relief of our citizens from this new burden, as shall be deemed proper.

## Steam on the Canals.

The Legislature of 1871, passed an act entitled "An act to foster and develop the internal commerce of the State, by inviting and rewarding the practical and profitable introduction upon the canals, of steam, caloric, electricity or any motor other than animal power, for the propulsion of boats;" and appropriated for that object, the sum of $100,000, to be paid to the owners of the successful plans, not exceeding three in number, which might be submitted for trial, and tested and approved by the commissioners appointed under the act. The act further provides that the commissioners shall demand and require:

*First.* The inventions or devices to be tested and tried at the proper cost and charges of the parties offering the same for trial.

*Second.* That the boat shall, in addition to the weight of the

machinery, and fuel reasonably necessary for the propulsion of said boat, be enabled to transport, and shall actually transport on the Erie canal, on a test or trial exhibition, under the rules and regulations now governing the boats navigating the canals, at least 200 tons of cargo.

*Third.* That the rate of speed made by said boat, shall not be less than an average of three miles per hour, without injury to the canals or their structures.

*Fourth.* That the boat can be readily and easily stopped or backed by the use and power of its own machinery.

*Fifth.* That the simplicity, economy and durability of the invention or device, must be elements of its worth and usefulness.

*Sixth.* That the invention, device or improvement can be readily adapted to the present canal boats; and, lastly, that the commissioners shall be fully satisfied that the invention or device will lessen the cost of canal transportation, and increase the capacity of the canals. Any means of propulsion or towage, other than by a direct application of power upon the boat, which does not interfere in any manner with the present method of towage on the canals, and complying in all other respects with the provisions of the act, may be entitled to the benefits thereof, but this shall not be construed to apply to the system known as the Belgian system, or to any mode of propulsion by steam engines or otherwise, upon either bank of the canals.

Previous to the passage of this act, steam had repeatedly been introduced, by way of experiment, on the Erie and Oswego canals, resulting in a speed of three miles per hour with cargoes of two hundred tons, but it was only accomplished at such cost as to preclude its profitable employment.

The reward offered by the State has induced a renewal of experiments, and it is to be hoped that it will result in some invention or device by which some motor other than animal power may be found practicable in the propulsion of boats upon the canals. As yet, the reward has not secured that object. It is believed, however, that it has caused an agitation upon the subject, which will, sooner or later, result in success.

While it would be very desirable to apply steam as a motor to the form of boats now in use, it is deemed by many to be impracticable, with the canals at their present dimensions. The paddle-wheel and the screw, since the introduction of steam as a motive power, have been the only methods successfully employed in the propulsion of vessels. It is claimed that, with a good propeller-wheel working under

the most favorable circumstances, as in the open sea, the loss of power amounts to forty-five to fifty-five per cent, but employed in the canals the loss rises to seventy and even eighty per cent. If this be true, engines out of all proportion to the work to be accomplished would have to be employed, and hence unprofitable when brought into competition with animal towage.

The employment of tugs might, to a certain extent, be attended with success, but the loss of power adds correspondingly to the cost which may in a measure be compensated by an increased speed. This method of towage has at different periods been introduced, and the fact of its early abandonment leads to the conviction that it is unprofitable.

It has been suggested that a railroad might be constructed on each side of the canal, and the boats drawn by locomotives. This plan has many advocates, but it is urged against it that the great outlay required to introduce this method renders its adoption impracticable.

The Hon. W. J. McAlpine, late Engineer and Surveyor of this State, in a recent letter from Europe, where he is at present sojourning, mentions a method employed in Europe, and known as the Belgian system, which he has witnessed, and believes to be just what is needed on our canals.

This system to which Mr. McAlpine alludes was exhibited on the Erie canal between Albany and West Troy previous to the close of the navigable season of 1871. Its operation was witnessed by the State officers and distinguished citizens from different parts of the State.

The system and apparatus employed, may briefly be described as follows: A wire cable is laid on the bottom of the canal, passing through intervening locks, and fastened at the two extreme ends; and a steam-tug or tow-boat provided with an engine to which is attached a clip-drum or grooved driving-wheel with suitable guiding and tightening pulleys. The boats to be towed are made fast to the tug and the process of towing is performed by lifting the cable from the bottom of the canal by means of a grapple, and placing it over the clip-drum and under the tightening or press pulleys. The clip-drum is then put in motion (turned) by the machinery in the tug causing the cable to pass over it and fall back again into the canal at the stern of the tug. Thus the tug is drawn along the cable with the same facility as a locomotive is drawn on the rails, though there is no slipping as in the case of the locomotive. All the power of the engine is directly employed in the propulsion of the tug.

It is claimed by the advocates of the system that its general introduction would be attended with complete success in diminishing the time of trips, the cost of transportation, and increasing the capacity of the canals.

This plan of towage appears to have been excluded from competing for the reward offered by the State. No good reason is seen for the exclusion of this or any other apparently practicable system from the benefits of the act. The policy of the act is the encouragement of inventors and others to perfect and test their several plans, and enable the State to select from all that which shall promise the best results. Any plan which will practically combine economy with greater speed than is now attained, and employing the boats at present in use, will not only prevent the diversion of trade, but largely increase the business and revenues of the canals.

To secure such results the State should offer every encouragement and essential aid, and should exclude no system from her bounty which promises the successful and speedy introduction of steam on her public works. The *reduction of time* in making a trip to and from tide-water and the lakes, is a matter of the greatest importance and should receive the most careful attention of the Legislature.

## The Business Season of 1871.

The serious interruption caused by the great break on the Erie canal at Ox-Bow Bend, early in the season, and the premature closing of the canals by the cold weather in November, left the period of navigation about two weeks shorter than that of last year. Notwithstanding this, the season of navigation just closed has been a prosperous one for the State as well as for shippers and carriers. The general condition of the canals has been good, and, excepting those above mentioned, there have been but very few detentions of any kind. The average time for trips has been lessened, and they have been made with rapidity and regularity.

Under all the circumstances the revenues from tolls for the season make a gratifying exhibit. They amount to $3,099,300.46, being in excess of those of the season of last year by nearly half a million of dollars, with substantially the same toll sheet. This amount should be sufficient for the maintenance and repairs of the canals, and to make a contribution of $1,500,000 to the sinking funds for the extinguishment of the debt and interest.

The canals have been kept in repair at a much less expense than last year, and, with the possible exception of the year 1868, the ton-

nage has been larger than that of any previous year. The practical results of the season are full of encouragement to the friends of the canals.

The Canal Commissioners fixed by resolution the ninth day of December for closing the canals, but, with an unusual suddenness, the cold weather closed them some twelve days earlier than the appointed time. Nearly eight hundred boats, containing an immense amount of produce and merchandise, were arrested by the ice embargo, and failed to reach their destination, though every effort was made to pass them through.

## Clerks.

Accompanying this report is a table containing the names of the officers and clerks employed in this department for the last fiscal year, with the amounts paid them respectively, the time each was employed, and their present salaries. It affords the Auditor great pleasure to recognize the intelligent and faithful manner in which their various duties have been performed in this department.

Respectfully submitted.

G. A. DAYTON,
*Auditor.*

# DOCUMENTS

## ACCOMPANYING THE REPORT OF THE AUDITOR.

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(No. 1.)

There was on deposit in sundry banks to the credit of the Treasurer of the State on account of the Canal Fund, on the 30th September, 1870 (see page 94 of the last report):

| | | |
|---|---|---|
| The sum of | | $2,689,642 87 |
| And in the custody of the Auditor, securities invested on account of the Canal Fund | $50,000 00 | |
| Real estate, etc., of Bank of Corning, | 3,799 00 | |
| | | 53,799 00 |
| | | $2,743,441 87 |
| Appropriations overdrawn, viz.: | | |
| The Erie and Champlain Canal Fund, for balance in hands of Canal Commissioners | | 3,797 02 |
| | | $2,747,238 89 |
| Deduct over-payments as above included in accounts below | | 3,797 02 |
| | | $2,743,441 87 |
| *Received during the year ending 30th September*, 1871, *viz.:* | | |
| Sinking Fund for the redemption of the Canal Debt.....See No. 2, | $14,030 99 | |
| Sinking Fund for the redemption of the loans for payment of the floating debt.....See No. 8, | 2,796 88 | |
| Taxes of 1870..... 20, | 3,880,035 93 | |
| Repair Trust Fund..... 32, | 1,656 64 | |
| Temporary loan of the Manhattan Company.....See No. 34, | 200,000 00 | |
| Carried forward..... | $4,098,520 44 | $2,743,441 87 |

| | | | |
|---|---|---|---|
| Brought forward..... | | $4,098,520 44 | $2,743,441 87 |
| Fund for reconstruction of Oneida Lake canal.....See No. 30, | | 12,000 00 | |
| Erie and Champlain canals | 38, | 2,666,416 50 | |
| Oswego canal ..... | 40, | 109,899 44 | |
| Cayuga and Seneca canal | 42, | 22,261 69 | |
| Chemung canal ..... | 44, | 6,187 79 | |
| Crooked Lake canal..... | 46, | 301 47 | |
| Chenango canal..... | 48, | 8,981 38 | |
| Black River canal..... | 50, | 12,313 03 | |
| Genesee Valley canal.... | 52, | 18,895 17 | |
| OneidaRiver improvement | 58, | 724 61 | |
| Seneca River towing-path | 60, | 146 33 | |
| Cayuga inlet ..... | 62, | 219 55 | |
| | | | 6,956,867 40 |
| | | | $9,700,309 27 |

*Paid during the same period, viz.:*

| | | | |
|---|---|---|---|
| Sinking Fund for the redemption of the Canal Debt.....See No. 3, | | $9,075 85 | |
| Sinking Fund for the redemption of the General Fund Debt, See No. 5, | | 569,974 61 | |
| Sinking Fund for the redemption of the debt for the enlargement and completion of the canals, See No. 7, | | 624,502 87 | |
| Sinking Fund for the redemption of the loans for payment of the floating debt.....See No. 9, | | 105,794 14 | |
| Interest on loans to supply deficiencies.....See No. 15, | | 55,321 00 | |
| Fund for enlargement and completion of the canals.....See No. 23, | | 2,270 00 | |
| Erie canal enlargement... | 37, | 20,133 98 | |
| Erie and Champlain canals | 39, | 2,352,359 90 | |
| Oswego canal..... | 41, | 184,686 97 | |
| Cayuga and Seneca canal | 43, | 73,570 47 | |
| Chemung canal ..... | 45, | 192,143 01 | |
| Crooked Lake canal..... | 47, | 78,633 54 | |
| Chenango canal ..... | 49, | 327,624 57 | |
| Black River canal ..... | 51, | 166,699 87 | |
| Carried forward..... | | $4,762,790 78 | $9,700,309 27 |

| | | | |
|---|---|---|---|
| Brought forward..... | | $4,762,790 78 | $9,700,309 27 |
| Genesee Valley canal ...See No. | 53, | 342,083 93 | |
| Oneida Lake canal ..... | 55, | 56,965 15 | |
| Baldwinsville canal ..... | 57, | 350 00 | |
| Oneida River improvement | 59, | 38,392 62 | |
| Cayuga inlet..... | 63, | 109 77 | |
| | | | 5,200,692 25 |
| Leaving a balance on the 30th September, 1871, of.. | | | $4,499,617 02 |

| | | |
|---|---|---|
| Of the above balance there is on deposit in banks to the credit of the Treasurer of the State, on account of the Canal Fund.....See No. 65, | | $4,445,818 02 |
| In the custody of the Auditor, securities invested on account of the Canal Fund: | | |
| United States Bonds ..... | $50,000 00 | |
| Real estate, etc. of Bank of Corning. | 3,799 00 | |
| | | 53,799 00 |
| | | $4,499,617 02 |
| Appropriations overdrawn, viz.: | | |
| Erie and Champlain canals, See No. 39, | $8,966 48 | |
| Sinking Fund for debt for enlargement and completion of the canals, in payment of interest on debt, to be refunded when provision is made by the Legislature.....See No. 6, | 356,766 65 | |
| | | 365,733 13 |
| | | $4,865,350 15 |

*Of the above amount there belongs to:*

| | |
|---|---|
| Sinking Fund for redemption of the Canal Debt, See No. 3, | $1,133,591 56 |
| Sinking Fund for redemption of General Fund Debt .....See No. 5, | 981,588 68 |
| Sinking Fund for redemption of the loans for payment of the floating debt .....See No. 9, | 707,401 36 |
| Investment of premiums on loans ..... 11, | 12,014 66 |
| Fund for extraordinary repairs..... 13, | 1,170,436 63 |
| Carried forward..... | $4,005,032 89 |

| | | |
|---|---|---|
| Brought forward | | $4,005,032 89 |
| Fund for the Albany basin | See No. 17, | 706 58 |
| Taxes of 1866 | 19, | 269 30 |
| Fund for enlargement and completion of the canals, | See No. 23, | 295,215 13 |
| Fund for improvement of Champlain canal, | See No. 25, | 8,088 46 |
| Fund for enlargement of Champlain canal, | See No. 27, | 775 11 |
| Fund for extension of Chenango canal | 29, | 90,458 16 |
| Fund for reconstruction of Oneida Lake canal, | See No. 31, | 18,753 02 |
| Repair Trust Fund | 33, | 38,482 65 |
| Temporary Loan of the Manhattan Company, | See No. 35, | 200,000 00 |
| Fund of the Erie and Champlain canals | 39, | 202,344 01 |
| Oswego canal | 41, | 4,399 91 |
| Black River canal | 51, | 824 93 |
| | | $4,865,350 15 |

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## SINKING FUND FOR THE REDEMPTION OF THE CANAL DEBT.

(*Under Article* 7, *Section* 1, *of the Constitution.*)

(No. 2.)

| | |
|---|---|
| Balance on hand 30th September, 1870 | $658,957 42 |
| *Received, viz.:* | |
| Interest on loans and deposits | 14,030 99 |
| Transferred from fund for enlargement and completion for advance on tax of 1870, reimbursed, See No. 23, | 500,000 00 |
| Interest thereon | 25,000 00 |
| | $1,197,988 41 |

(No. 3.)

*Paid, viz.:*

| | | |
|---|---|---|
| For expense of keeping the office for the transfer of stock in the Manhattan Company, under chapter 228, Laws of 1840 ..... | $1,250 00 | |
| To C. H. Van Brunt, transfer agent, for salary ..... ..... | 832 19 | |
| For account books and stationery.. | 186 00 | |
| For die..... | 6 00 | |
| | | $2,274 19 |
| For premium on coin purchased to pay interest on stocks ..... ..... | | 6,801 66 |
| | | $9,075 85 |
| Transferred to fund to supply deficiencies to pay interest on loans .....See No. 14, | | 55,321 00 |
| | | $64,396 85 |
| Balance on hand 30th September, 1871 ..... | | 1,133,591 56 |
| | | $1,197,988 41 |

## SINKING FUND FOR THE GENERAL FUND DEBT.

(*Under Article 7, Section 2, of the Constitution.*)

(No. 4.)

| | |
|---|---|
| Balance on hand 30th September, 1870 ..... | $569,974 61 |
| *Received, viz.:* | |
| Transferred from the surplus revenues of the canals on 30th September, 1871, under article 7, section 2, of the Constitution ..... | 981,588 68 |
| | $1,551,563 29 |

(No. 5.)

| | |
|---|---|
| *Paid, viz.:* | |
| To the treasury..... | $569,974 61 |
| Balance on hand 30th September, 1871, due the treasury ..... | 981,588 68 |
| | $1,551,563 29 |

## SINKING FUND FOR THE REDEMPTION OF THE CANAL DEBT.

(*Under Article* 7, *Section* 3, *of the Constitution.*)

(No. 6.)

| | |
|---|---|
| Balance on hand, 30th September, 1870..... | $267,736 22 |
| *Received, viz.:* | |
| Appropriations overdrawn to pay interest on loans.. | 356,766 65 |
| | $624,502 87 |

(No. 7.)

| | |
|---|---|
| *Paid, viz.:* | |
| Interest on loans..... | $557,100 00 |
| Premium on coin purchased to pay interest on stock. | 67,402 87 |
| | $624,502 87 |

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## SINKING FUND FOR THE REDEMPTION OF THE CANAL DEBT.

(*Under Article* 7, *Section* 12, *of the Constitution.*)

(No. 8.)

| | | |
|---|---|---|
| Balance on hand, 30th September, 1870..... | | $398,190 97 |
| *Received, viz.:* | | |
| Interest on stock investments..... | | 2,796 88 |
| Transferred from the following accounts, viz.: | | |
| Taxes of 1870 .....See No. 21, | | 240,957 65 |
| From fund for improvement of Champlain canal, for advance on tax of 1870, see No. 21, | $130,000 00 | |
| Interest thereon..... | 6,500 00 | |
| | | 136,500 00 |
| From fund for enlargement of Champlain canal, for advance on tax of 1870..See No. 27, | $15,000 00 | |
| Interest thereon..... | 750 00 | |
| | | 15,750 00 |
| From fund for extension of the Chenango canal, for advance on tax of 1870..See No. 29, | $180,000 00 | |
| Interest thereon..... | 9,000 00 | |
| | | 189,000 00 |
| | | $983,195 50 |

(No. 9.)

*Paid, viz.:*

| | | |
|---|---|---|
| Interest on loans | | $94,500 00 |
| Premium on coin purchased to pay interest on loans | | 11,294 14 |
| | | $105,794 14 |
| Transferred to the following accounts for investment in the tax of 1871, pursuant to act, chapter 930, Laws of 1871, viz.: | | |
| Fund for extension of the Chenango canal ..... See No. 28, | $150,000 00 | |
| Fund for reconstruction of Oneida Lake canal ..... See No. 30, | 20,000 00 | |
| | | 170,000 00 |
| | | $275,794 14 |
| Balance on hand, 30th September, 1871 | | 707,401 36 |
| | | $983,195 50 |

## INVESTMENT OF PREMIUMS ON LOANS.

(*Under Chapter* 329, *Laws of* 1854.)

(No. 10.)

| | |
|---|---|
| Balance on hand, 30th September, 1870 | $12,014 66 |

(No. 11.)

| | |
|---|---|
| Balance on hand, 30th September, 1871 | $12,014 66 |

## FUND TO PROVIDE FOR EXTRAORDINARY REPAIRS.

(*Under Chapter* 715, *Laws of* 1868; *Chapter* 877, *Laws of* 1869; *Chapter* 767, *Laws of* 1870; *and Chapter* 930, *Laws of* 1871.)

(No. 12.)

| | |
|---|---|
| Balance on hand, 30th September, 1870 | $96,820 61 |
| *Received, viz.:* | |
| Transferred from taxes of 1870 ..... See No. 21, | 2,294,028 20 |
| | $2,390,848 81 |

(No. 13.)

*Paid, viz.:*

Transferred to sundry fund accounts, viz.:

| | | | |
|---|---|---|---|
| Erie and Champlain canals.. | See No. 38, | $862,733 48 | |
| Oswego canal..... | 40, | 107,249 25 | |
| Cayuga and Seneca canal.. | 42, | 23,869 11 | |
| Chemung canal ..... | 44, | 56,870 34 | |
| Crooked Lake canal ..... | 46, | 4,800 00 | |
| Chenango canal..... | 48, | 18,548 89 | |
| Black River canal..... | 50, | 31,093 20 | |
| Genesee Valley canal ..... | 52, | 115,247 91 | |
| | | | $1,220,412 18 |
| Balance on hand September 30, 1871..... | | | 1,170,436 63 |
| | | | $2,390,848 81 |

## INTEREST ON LOANS TO SUPPLY DEFICIENCIES.

(*Under Article* 7, *Section* 1, *of the Constitution.*)

(No. 14.)

*Received, viz.:*

Transferred from the Sinking Fund for redemption of the Canal Debt.....See No. 3, $55,321 00

(No. 15.)

*Paid, viz.:*

Interest on loans..... $55,321 00

## FUND FOR THE ALBANY BASIN.

(*Chapter* 200, *Laws of* 1849.)

(No. 16.)

Balance on hand, 30th September, 1870..... $706 58

(No. 17.)

Balance on hand, 30th September, 1871 ..... $706 58

## TAXES OF 1866.

(No. 18.)

Balance on hand, 30th September. 1870 ..... $269 30

(No. 19.)

| | |
|---|---|
| Balance on hand, 30th September, 1871..... | $269 30 |

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## TAXES OF 1870.

(No. 20.)

*Received, viz.:*

| | |
|---|---|
| From the treasury ..... | $3,880,035 93 |

(No. 21.)

*Paid, viz.:*

Transferred to the following accounts, viz.:

| | | |
|---|---|---|
| To fund for extraordinary repairs..... | See No. 12, | $2,294,028 20 |
| To fund for enlargement and completion, | 22, | 980,336 47 |
| To fund for improvement of Champlain canal..... | 24, | 140,000 00 |
| To fund for enlargement of Champlain canal ..... | 26, | 24,713 61 |
| To fund for extension of Chenango canal, | 28, | 200,000 00 |
| To Sinking Fund for redemption of the Canal Debt, under article 7, section 12 of the Constitution..... | 8, | 240,957 65 |
| | | $3,880,035 93 |

---

## FUND FOR THE ENLARGEMENT OF THE ERIE, THE OSWEGO AND CAYUGA AND SENECA CANALS, AND FOR THE COMPLETION OF THE BLACK RIVER AND GENESEE VALLEY CANALS, AND FOR OTHER PURPOSES.

(*Article* 7, *section* 3 *of the Constitution, and chapter* 329, *Laws of* 1854.)

(No. 22.)

| | | |
|---|---|---|
| Balance on hand, 30th September, 1870 ..... | | $10,152 57 |
| *Received, viz.:* | | |
| Transferred from taxes of 1870 ..... | See No. 21, | 980,336 47 |
| | | $990,489 04 |

(No. 23.)

*Paid, viz.:*

| | | | |
|---|---|---|---|
| On account of the expense of making maps of the enlarged and completed canals, per acts, chapter 877, Laws of 1869, and chapter 767, Laws of 1870, | | | $2,270 00 |
| Transferred to the following accounts for payment of awards, allowances by the Legislature, interest thereon, etc., viz.: | | | |
| Erie Canal enlargement.... | See No. 36, | $20,133 98 | |
| Erie and Champlain canals.. | 38, | 18,147 14 | |
| Oswego canal..... | 40, | 6,607 58 | |
| Cayuga and Seneca canal... | 42, | 410 93 | |
| Chemung canal ..... | 44, | 37,627 73 | |
| Chenango canal..... | 48, | 29,311 79 | |
| Black River canal..... | 50, | 5,318 52 | |
| Genesee Valley canal..... | 52, | 6,352 92 | |
| Oneida Lake canal ..... | 54, | 5,350 70 | |
| Baldwinsville canal..... | 56, | 350 00 | |
| Oneida river improvement.. | 58, | 38,392 62 | |
| | | | 168,003 91 |
| Transferred to the Sinking Fund, under article 7, section 1, of the Constitution, to reimburse advance on tax of 1870, for advance, see No. 2, | | $500,000 00 | |
| For interest thereon ..... | | 25,000 00 | |
| | | | 525,000 00 |
| | | | $695,273 91 |
| Balance on hand, 30th September, 1871..... | | | 295,215 13 |
| | | | $990,489 04 |

## FUND TO PROVIDE FOR THE IMPROVEMENT OF THE CHAMPLAIN CANAL.

(*Chapter* 186, *Laws of* 1864.)

(No. 24.)

| | |
|---|---|
| Balance on hand, 30th September, 1870 ..... | $27,231 31 |
| *Received, viz.:* | |
| Transferred from taxes of 1870.....See No. 21, | 140,000 00 |
| | $167,231 31 |

(No. 25.)

*Paid, viz.:*

| | | |
|---|---|---|
| Transferred to the Sinking Fund, under article 7, section 12, of the Constitution, to reimburse advance on tax of 1870 .....See No. 8: | | |
| For advance..... | $130,000 00 | |
| For interest thereon..... | 6,500 00 | |
| | | $136,500 00 |
| Transferred to fund of Erie and Champlain canals, See No. 38, | | 22,642 85 |
| | | $159,142 85 |
| Balance on hand, 30th September, 1871 ..... | | 8,088 46 |
| | | $167,231 31 |

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## FUND FOR ENLARGEMENT OF THE CHAMPLAIN CANAL.

(*Chapter* 788, *Laws of* 1870.)

(No. 26.)

| | |
|---|---|
| Balance on hand, 30th September, 1870 ..... | $9,711 50 |
| *Received, viz.:* | |
| Transferred from taxes of 1870.....See No. 21 | 24,713 61 |
| | $34,425 11 |

(No. 27.)

*Paid, viz.:*

| | | |
|---|---|---|
| Transferred to the Sinking Fund under article 7, section 12, of the Constitution, to reimburse advance on tax of 1870. .....See No. 8: | | |
| For advance..... | $15,000 00 | |
| For interest thereon..... | 750 00 | |
| | | $15,750 00 |
| Transferred to fund of Erie and Champlain canals, See No. 38, | | 17,900 00 |
| | | $33,650 00 |
| Balance on hand, 30th September, 1871 ..... | | 775 11 |
| | | $34,425 11 |

## FUND TO PROVIDE FOR EXTENSION OF THE CHENANGO CANAL.

(No. 28.)

| | | |
|---|---|---|
| Balance on hand 30th September, 1870 | | $23,526 45 |
| *Received, viz.:* | | |
| Transferred from taxes of 1870 | | 200,000 00 |
| Transferred from the Sinking Fund under article 7, section 12 of the Constitution, pursuant to act, chapter 930, Laws of 1871 ....See No. 9, | | 150,000 00 |
| | | $373,526 45 |

(No. 29.)

| | | |
|---|---|---|
| *Paid, viz.:* | | |
| Transferred to the Sinking Fund under article 7, section 12 of the Constitution, to reimburse advance on tax of 1870.....See No. 8: | | |
| For advance | $180,000 00 | |
| For interest thereon | 9,000 00 | |
| | | $189,000 00 |
| Transferred to fund of Chenango canal..See No. 48, | | 94,068 29 |
| | | $283,068 29 |
| Balance on hand 30th September, 1871 | | 90,458 16 |
| | | $373,526 45 |

## FUND TO PROVIDE FOR THE RECONSTRUCTION OF THE ONEIDA LAKE CANAL.

(No. 30.)

| | |
|---|---|
| Balance on hand 30th September, 1870 | $38,367 47 |
| *Received, viz.:* | |
| Interest on loans and deposits | 12,000 00 |
| Transferred from the Sinking Fund under article 7, section 12, of the Constitution, pursuant to act, chapter 930, Laws of 1871 .....See No. 9, | 20,000 00 |
| | $70,367 47 |

(No. 31.)

*Paid, viz.:*

| | |
|---|---|
| Transferred to fund of Oneida Lake canal..See No. 54, | $51,614 45 |
| Balance on hand 30th September, 1871..... | 18,753 02 |
| | $70,367 47 |

---

## REPAIR TRUST FUND.

(*Chapter* 177, *Laws of* 1861.)

(No. 32.)

| | |
|---|---|
| Balance on hand 30th September, 1870..... | $36,826 01 |
| *Received, viz.:* | |
| For interest on loans ..... | 1,656 64 |
| | $38,482 65 |

(No. 33.)

| | |
|---|---|
| Balance on hand 30th September, 1871 ..... | $38,482 65 |

---

## TEMPORARY LOAN BY THE MANHATTAN COMPANY.

(No. 34.)

*Received, viz.:*

| | |
|---|---|
| From the Manhattan Company ..... | $200,000 00 |

(No. 35.)

| | |
|---|---|
| Balance due Manhattan Company 30th September, 1871 ..... | $200,000 00 |

---

## FUND OF THE ERIE CANAL ENLARGEMENT.

(No. 36.)

*Received, viz.:*

| | |
|---|---|
| Transferred from the fund for enlargement and completion of the canals .....See No. 23, | $20,133 98 |

(No. 37.)

*Paid, viz.:*

| | | |
|---|---|---|
| To Canal Commissioners, viz.: | | |
| To George W. Chapman, on the Eastern Division | $1,259 00 | |
| To Wm. W. Wright, on the Middle Division | 15,753 25 | |
| To John D. Fay, on the Western Division | 1,945 00 | |
| | | $18,957 25 |
| Interest on awards by Canal Appraisers, allowances by Canal Board, etc. | | 1,052 38 |
| For recording transcripts | | 124 35 |
| | | $20,133 98 |

## ERIE AND CHAMPLAIN CANALS.

(No. 38.)

*Received, viz.:*

| | | |
|---|---|---|
| Tolls on the Erie canal | $2,485,201 96 | |
| Tolls on the Champlain canal | 148,553 87 | |
| | | $2,633,755 83 |
| Interest on deposits in banks | | 23,661 00 |
| Rent of surplus water | | 1,267 50 |
| Errors in collectors' accounts | | 251 97 |
| Fees for recording mortgages and copy fees | | 440 38 |
| Edward Shanahan, late superintendent, balance of account | | 690 99 |
| Giles Hawley, late superintendent, balance of account | | 1 81 |
| John D. Fay, Canal Commissioner, proceeds of sale of stone | | 100 00 |
| From the Comptroller, pursuant to act chapter 715, Laws of 1871, to make good deficiency by robbery of safe in New York collector's office in 1864 | | 2,450 00 |
| On account of balances in hands of Canal Commissioners, 30th September, 1870, viz.: | | |
| George W. Chapman | $48 49 | |
| William W. Wright | 1,843 05 | |
| John D. Fay | 1,905 48 | |
| | | 3,797 02 |
| Carried forward | | $2,666,416 50 |

| | | | |
|---|---|---|---|
| Brought forward | | | $2,666,416 50 |
| Balance of revenues for fiscal year ending 30th September, 1870, reserved to provide for advances by the deposit banks for repairs (see page 81 of last report) | | | 591,528 37 |
| Transferred from the following accounts, viz.: | | | |
| Fund for extraordinary repairs ... See No. 13, | | | 862,733 48 |
| Fund for enlargement and completion .... 23, | | | 18,147 14 |
| Fund for improvement of Champlain canal 25, | | | 22,642 85 |
| Fund for enlargement of Champlain canal 27, | | | 17,900 00 |
| Transferred the following balances of surplus tolls, viz.: | | | |
| From the Oswego canal .. See No. 41, | | $39,069 30 | |
| From the Oneida River improvement ..... See No. 59, | | 724 61 | |
| From the Seneca River towing-path, See No. 61, | | 146 33 | |
| From the Cayuga inlet .. 63, | | 109 78 | |
| | | | 40,050 02 |
| | | | $4,219,418 36 |
| Balance in hands of Canal Commissioners | | | 8,966 48 |
| | | | $4,228,384 84 |

(No. 39.)

*Paid, viz.:*

For repairs and improvements, viz.:

To Canal Commissioners, for ordinary repairs of Erie canal, and salaries, viz.:

| | | |
|---|---|---|
| George W. Chapman, eastern division, | $88,026 20 | |
| William W. Wright, middle division .. | 33,202 50 | |
| John D. Fay, western division | 30,037 54 | |
| | | $151,266 24 |
| To superintendents on Erie canal | | 432,563 33 |
| To contractors, for repairs of Erie canal, | $402,419 28 | |
| To contractors, for repairs of Champlain canal | 27,172 24 | |
| | | 429,591 52 |
| To Canal Commissioners, for extraordinary repairs of Erie canal, viz.: | | |
| George W. Chapman, eastern division, | $242,355 89 | |
| Carried forward | $242,355 89 | $1,013,421 09 |

| | | |
|---|---|---|
| Brought forward | $242,355 89 | $1,013,421 09 |
| Stephen T. Hayt, middle division | 1,373 65 | |
| William W. Wright, middle division | 109,277 61 | |
| John D. Fay, western division | 372,395 70 | |
| | | 725,402 85 |
| To George W. Chapman, improvement Champlain canal | | 22,642 85 |
| To George W. Chapman, enlargement Champlain canal | | 17,900 00 |
| To George W. Chapman, ordinary repairs Champlain canal | | 70,642 37 |
| To George W. Chapman, extraordinary repairs Champlain canal | | 127,330 63 |
| To superintendents on Champlain canal | | 169,181 08 |
| To Canal Commissioners, for counsel fees before the Canal Appraisers: | | |
| George W. Chapman, eastern division | $1,095 00 | |
| William W. Wright, middle division | 1,290 65 | |
| | | 2,385 65 |
| To Allen C. Beach, Lieutenant-Governor: | | |
| Services | $396 00 | |
| Travel | 2,092 80 | |
| | | 2,488 80 |
| To Van Rensselaer Richmond, State Engineer and Surveyor: | | |
| Services | $2,500 00 | |
| Travel | 200 00 | |
| | | 2,700 00 |
| For salary of Auditor of Canal Department, under act chapter 177, Laws of 1861, viz.: | | |
| To James A. Bell | $1,500 00 | |
| To G. A. Dayton | 1,000 00 | |
| | | 2,500 00 |
| For additional salary to Auditor of Canal Department, under act chapter 715, Laws of 1871, viz.: | | |
| To James A. Bell | $2,000 00 | |
| To G. A. Dayton | 1,500 00 | |
| | | 3,500 00 |
| For compensation of clerks of Canal Department, under act, chapter 653, Laws of 1871, and chapter 11, Laws of 1871, viz.: | | |
| To W. McGourkey | $2,375 00 | |
| Carried forward | $2,375 00 | $2,160,095 32 |

| | | |
|---|---|---|
| Brought forward..... | $2,375 00 | $2,160,095 32 |
| To H. C. Southwick, Jr..... | 2,312 50 | |
| To Edmund Savage ..... | 2,125 00 | |
| To G. H. Goodwin..... | 810 00 | |
| To Samuel Gillingham..... | 1,338 75 | |
| To Eugene C. Johnson ..... | 687 38 | |
| To Orrin A. Fuller..... | 1,397 21 | |
| To Jerome Smith ..... | 585 00 | |
| To G. H. Birchall ..... | 1,350 00 | |
| To John S. Wolfe..... | 675 00 | |
| | | 13,655 84 |
| For compensation of Canal Appraisers and clerks, viz.: | | |
| To Samuel North, salary and travel. | $2,499 98 | |
| To George C. Greene, salary and travel ..... | 2,498 78 | |
| To Jesse Gay, salary and travel.... | 2,499 98 | |
| To Cornelius Glen, chief clerk and clerk of Board of Canal Appraisers, | 2,687 50 | |
| To S. Cady Murray, assistant clerk.. | 2,521 19 | |
| To Royal Corbin, clerk..... | 1,350 00 | |
| To Samuel North, for miscellaneous expenses ..... | 618 15 | |
| To George C. Greene, for miscellaneous expenses..... | 4 02 | |
| To Jesse Gay, for miscellaneous expenses ..... | 6 49 | |
| | | 14,686 09 |
| For extra compensation under act chapter 715, Laws of 1871, viz.: | | |
| To Samuel North..... | $3,000 00 | |
| To George C. Greene..... | 3,000 00 | |
| To Jesse Gay ..... | 3,000 00 | |
| To Cornelius Glen, for extra services in 1870..... | 500 00 | |
| To S. Cady Murray, for extra services in 1870..... | 500 00 | |
| | | 10,000 00 |
| Carried forward..... | | $2,198,437 25 |

| | | |
|---|---|---|
| Brought forward | | $2,198,437 25 |
| For salaries of weigh masters, pay of their assistants, etc., viz.: | | |
| Bartholomew Judge, Albany | $1,759 63 | |
| Fred. P. Fonda, West Troy | 2,228 86 | |
| Clark Burnham, Utica | 1,808 67 | |
| John L. Cuyler, Syracuse | 941 45 | |
| Charles E. Stevens, Syracuse | 1,155 47 | |
| I. H. Sutherland, Rochester | 2,013 85 | |
| Henry Foley, Waterford | 2,452 86 | |
| John A. Barry, Oswego | 1,683 33 | |
| | | 14,044 12 |
| For tolls refunded and penalties remitted | | 678 39 |
| To Weed, Parsons & Co., for printing for the canals, including blank books, forms, returns, etc., for collectors and other canal officers | | 27,482 40 |
| To Albany Evening Journal, advertising | | 38 12 |
| To Argus Company, advertising | | 1,027 74 |
| For costs of suits | | 3,872 53 |
| For allowances by the Legislature, viz.: | | |
| To E. H. Crocker, division engineer, for services outside of his duties in fall of 1869, and for extra services in 1868, during suspension of R. C. Dorn, Canal Commissioner | $600 00 | |
| To James G. Grindlay, for clerical services, under direction of Canal Appraisers, during November and December, 1869 | 125 00 | |
| | | 725 00 |
| To L. S. Payne, superintendent, under appointment of State Engineer and Commissioner of the western division, on account of appropriation, by act chapter 767, Laws of 1870, and the provisions of act chapter 581, Laws of 1870, for constructing ditches in the towns of Pendleton and Wheatfield, Niagara county | | 10,000 00 |
| For allowances by the Canal Board, viz.: | | |
| To Henry E. Baker, allowance by Canal Board 30th December, 1859, for services in reporting proceedings of Canal Board, pursuant to act chapter 715, Laws of 1871 | $100 00 | |
| Carried forward | $100 00 | $2,256,305 55 |

| | | |
|---|---|---|
| Brought forward | $100 00 | $2,256,305 55 |
| To Joseph M. Holmes, allowance by Canal Board, December 30, 1859, for services as assistant collector in New York, season of 1859 | 255 96 | |
| | | 355 96 |
| To collectors of tolls: | | |
| On Erie canal | $57,256 40 | |
| On Champlain canal | 8,683 47 | |
| | | 65,939 87 |
| For interest on awards, drafts, etc., Erie | | 5,636 99 |
| For interest on awards, drafts, etc., Champlain | | 6,964 50 |
| To Fort Miller Bridge Company under contract for use of tow-path attached to bridge, an annual payment | | 1,000 00 |
| To Comptroller for stationery for Canal Department, | | 324 86 |
| To Comptroller for stationery for Canal Appraisers, | | 196 86 |
| To W. Johnson for proceeds of sale of boat Mary M. Siver, sold by collecter at Rochester, in 1865 | | 50 00 |
| To Wm. Gould & Son, law books for Canal Appraisers | | 67 50 |
| To John N. Parker, boxes for collector's blanks and work in Canal Department | | 31 36 |
| To American Merchants' Union Express Co | $420 15 | |
| To National Express Co | 35 15 | |
| To W. H. Powell | 14 40 | |
| | | 469 70 |
| For preparing registers of light weights of boats, to O. A. Fuller | $150 00 | |
| To Geo. H. Birchall | 150 00 | |
| | | 300 00 |
| To O'Brien & Maher, for gas fixtures | | 27 25 |
| To S. W. Gibbs & Co., for stove for Canal Appraisers, | | 63 00 |
| To E. Ellis, for incidental expenses of the Canal Board, under resolution of March 29, 1871 | | 203 39 |
| To Geo. W. Bristol, for services under resolution of Canal Board of March 30, 1870 | | 642 00 |
| To Jos. Gavit & Co., stationery | | 55 00 |
| To G. W. Harmon, for transcribing returns | | 125 00 |
| For postage and stamps | | 546 96 |
| Carried forward | | $2,339,305 75 |

| | | |
|---|---|---|
| Brought forward | | $2,339,305 75 |
| To P. Allanson, for carpenter work | | 200 84 |
| For allowance by Canal Board for expenses and counsel fees in matter of trial of charges against Wm. Jones, superintendent of repairs, viz.: | | |
| To William Jones, witness fees | $85 36 | |
| To William B. Mills, district attorney, Cayuga county | 150 00 | |
| To H. V. Howland, attorney fees and expenses | 150 00 | |
| | | 385 36 |
| For legal services and expenses before Canal Appraisers, under acts, chapter 321, Laws of 1870, and chapter 668, Laws of 1871, viz.: | | |
| To Peter S. Palmer and Smith M. Weed, | $2,500 00 | |
| To Cyrus E. Davis | 450 00 | |
| To J. T. Joyce | 35 00 | |
| To P. L. Ely | 175 00 | |
| | | 3,160 00 |
| For telegrams | | 58 32 |
| Stationery | | 109 81 |
| Transportation | | 10 45 |
| Washing towels | | 18 00 |
| Recording transcripts | | 16 65 |
| Newspapers | | 22 00 |
| Directories | | 2 00 |
| Cleaning offices | | 15 00 |
| Ribbon stamps | | 22 00 |
| Repairing furniture | | 2 12 |
| Expenses of clerk to Auburn on trial of Supt. Jones, | | 7 78 |
| Matches | | 5 00 |
| Combs and brushes | | 5 50 |
| Blacking and brush | | 1 84 |
| Revised Statutes | | 7 00 |
| Removing furniture | | 27 50 |
| Painting | | 10 50 |
| Carried forward | | $2,343,393 42 |

| | | | |
|---|---|---|---|
| Brought forward | | | $2,343,393 42 |
| Transferred to sundry fund accounts to supply deficiencies of the lateral canals, to pay repairs, etc., viz.: | | | |
| Cayuga and Seneca canal, See No. | 42, | $27,028 74 | |
| Chemung canal | 44, | 91,457 15 | |
| Crooked Lake canal | 46, | 73,532 07 | |
| Chenango canal | 48, | 176,714 22 | |
| Black River canal | 50, | 117,975 12 | |
| Genese Valley canal | 52, | 201,587 93 | |
| | | | 688,295 23 |
| Appropriations overdrawn 30th September, 1870: | | | |
| For balance in hands of Canal Commissioners | | | 3,797 02 |
| Transferred to the Sinking Fund for the redemption of the General Fund Debt | See No. 4, | | 981,588 68 |
| Balance of revenues reserved to pay appropriations, under act chapter 653, Laws of 1871, which have not been presented for payment | | | 202,344 01 |
| To Canal Commissioners, balances in their hands 30th September, 1871: | | | |
| George W. Chapman | | $4,052 45 | |
| William W. Wright | | 4,815 61 | |
| John D. Fay | | 98 42 | |
| | | | 8,966 48 |
| | | | $4,228,384 84 |

## OSWEGO CANAL FUND.

(No. 40.)

| | | | |
|---|---|---|---|
| Balance on hand 30th September, 1870 | | | $4,399 91 |
| *Received, viz.:* | | | |
| Tolls | | | 109,899 44 |
| Transferred from the following accounts, viz.: | | | |
| Fund for extraordinary repairs | See No. 13, | | 107,249 25 |
| Fund for enlargement and completion | 23, | | 6,607 58 |
| | | | $228,156 18 |

( No. 41. )

*Paid, viz.:*

| | | |
|---|---|---|
| To collectors of tolls, viz.: | | |
| John McCarthy | $1,896 58 | |
| Henry H. Smith | 1,909 49 | |
| Calvin V. Houghton | 4,308 00 | |
| | | $8,114 07 |
| To Ira Betts, superintendent of repairs | | 4,289 93 |
| To contractors, for repairs, viz.: | | |
| George Corkings | $19,810 33 | |
| A. C. Belden | 30,411 66 | |
| | | 50,221 99 |
| To Canal Commissioner, viz.: | | |
| William W. Wright, damages | | 5,582 40 |
| ordinary repairs | | 8,204 15 |
| extraordinary repairs | | 107,249 25 |
| Interest on awards, etc. | | 1,025 18 |
| | | $184,686 97 |
| Transferred to Erie and Champlain canals: | | |
| Surplus tolls ..... See No. 38, | | 39,069 30 |
| | | $223,756 27 |
| Balance on hand 30th September, 1871 | | 4,399 91 |
| | | $228,156 18 |

## CAYUGA AND SENECA CANAL FUND.

( No. 42. )

*Received, viz.:*

| | |
|---|---|
| Tolls | $22,261 69 |
| Transferred from the following accounts, viz.: | |
| Fund for extraordinary repairs ..... See No. 13, | 23,869 11 |
| Fund for enlargement and completion .. 23, | 410 93 |
| Deficiency from tolls of Erie and Champlain canal, See No. 39, | 27,028 74 |
| | $73,570 47 |

(No. 43.)

*Paid, viz.:*

| | |
|---|---|
| To John H. Mehan, collector of tolls | $2,373 29 |
| To John Haggerty, superintendent of repairs | 39,374 37 |
| To Canal Commissioners: | |
| John M. Jaycox, damages | 94 00 |
| William W. Wright, ordinary repairs | 7,542 77 |
| extraordinary repairs | 23,869 11 |
| Interest on awards, etc. | 316 93 |
| | $73,570 47 |

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## CHEMUNG CANAL FUND.

(No. 44.)

*Received, viz.:*

| | |
|---|---|
| Tolls | $6,187 79 |
| Transferred from the following accounts, viz.: | |
| Fund for extraordinary repairs ..... See No. 13, | 56,870 34 |
| Fund for enlargement and completion... See No. 23, | 37,627 73 |
| Deficiency from tolls of Erie and Champlain canals, See No. 39, | 91,457 15 |
| | $192,143 01 |

(No. 45.)

*Paid, viz.:*

| | | |
|---|---|---|
| To collectors of tolls, viz.: | | |
| Samuel W. Cass | $1,527 00 | |
| Chester W. Ryant | 341 84 | |
| James S. Mathews | 821 84 | |
| Peter Rease | 1,111 00 | |
| | | $3,801 68 |
| To Silas Haight, superintendent of repairs | | 2,912 31 |
| To John Leahey, contractor for repairs | | 87,040 86 |
| To Canal Commissioners: | | |
| William W. Wright, damages | | 37,001 14 |
| ordinary repairs | | 3,890 09 |
| extraordinary repairs | | 56,870 34 |
| Interest on awards, etc. | | 626 59 |
| | | $192,143 01 |

## CROOKED LAKE CANAL FUND.

(No. 46.)

*Received, viz.:*

| | |
|---|---|
| Tolls | $301 47 |
| Transferred from the following accounts, viz.: | |
| Fund for extraordinary repairs.....See No. 13, | 4,800 00 |
| Deficiency from tolls of Erie and Champlain canals, See No. 39, | 73,532 07 |
| | $78,633 54 |

(No. 47.)

*Paid, viz.:*

| | |
|---|---|
| To George D. Stewart, collector of tolls | $673 98 |
| To O. G. Shearman, superintendent of repairs | 63,931 28 |
| To Oliver C. Knapp, contractor for repairs | 8,298 96 |
| To Canal Commissioners: | |
| William W. Wright, ordinary repairs | 929 32 |
| extraordinary repairs | 4,800 00 |
| | $78,633 54 |

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## CHENANGO CANAL FUND.

(No. 48.)

*Received, viz.:*

| | |
|---|---|
| Tolls | $8,981 38 |
| Transferred from the following accounts, viz.: | |
| From fund for extraordinary repairs.....See No. 13, | 18,548 89 |
| From fund for enlarging and completing. See No. 23, | 29,311 79 |
| From fund for extension of the Chenango canal, See No. 29, | 94,068 29 |
| Deficiency from tolls of Erie and Champlain canals, See No. 39, | 176,714 22 |
| | $327,624 57 |

(No. 49.)

*Paid, viz.:*

| | | |
|---|---|---|
| To collectors of tolls, viz.: | | |
| James Thompson | $716 99 | |
| Frederick B. McNeil | 531 14 | |
| Fred. M. Abbott | 579 38 | |
| George L. Lawyer | 703 63 | |
| | | $2,531 14 |
| To superintendents of repairs: | | |
| Joseph W. Forward | $71,784 30 | |
| Gideon Wilbur | 326 42 | |
| Charles W. Olendorf | 1,053 32 | |
| Justus B. Willmot | 14,612 26 | |
| | | 87,776 30 |
| To contractors for repairs: | | |
| James J. Belden | $18,699 79 | |
| John Hull | 10,676 21 | |
| | | 29,376 00 |
| To Canal Commissioners: | | |
| William W. Wright, damages | | 15,501 55 |
| extension | | 94,068 29 |
| ordinary repairs | | 66,012 16 |
| extraordinary repairs | | 18,548 89 |
| Interest on awards, etc. | | 13,810 24 |
| | | $327,624 57 |

## BLACK RIVER CANAL FUND.

(No. 50.)

| | | |
|---|---|---|
| Balance on hand, 30th September, 1870 | | $824 93 |
| *Received, viz.:* | | |
| Tolls | | 12,313 03 |
| Transferred from the following accounts, viz.: | | |
| Fund for extraordinary repairs | See No. 13, | 31,093 20 |
| Fund for enlargement and completion | 23, | 5,318 52 |
| Deficiency from tolls of Erie and Champlain canals | See No. 39, | 117,975 12 |
| | | $167,524 80 |

(No. 51.)

*Paid, viz.:*

| | | |
|---|---|---|
| To collectors of tolls, viz.: | | |
| Joel T. Comstock | $1,044 94 | |
| James P. Hodgkins | 418 55 | |
| Albert J. Woolworth | 517 77 | |
| | | $1,981 26 |
| To superintendents of repairs: | | |
| John Cole | $41,903 16 | |
| R. Sanford Miller | 42,484 81 | |
| Frank B. Johnson | 14,106 25 | |
| | | 98,494 22 |
| To Israel G. Wood, contractor for repairs | | 11,679 48 |
| To Canal Commissioners: | | |
| George W. Chapman, damages | | 3,259 00 |
| allowance by Canal Board | | 1,570 00 |
| ordinary repairs | | 18,133 19 |
| extraordinary repairs | | 31,093 20 |
| Interest on awards, etc. | | 489 52 |
| | | $166,699 87 |
| Balance on hand, 30th September, 1871 | | 824 93 |
| | | $167,524 80 |

## GENESEE VALLEY CANAL FUND.

(No. 52.)

*Received, viz.:*

| | | |
|---|---|---|
| Tolls | | $18,895 17 |
| Transferred from the following accounts, viz.: | | |
| Fund for extraordinary repairs | See No. 13, | 115,247 91 |
| Fund for enlargement and completion | 23, | 6,352 92 |
| Deficiency from tolls of Erie and Champlain canals | 39, | 201,587 93 |
| | | $342,083 93 |

(No. 53.)

*Paid, viz.:*

| | | |
|---|---|---|
| To collectors of tolls: | | |
| H. H. Scoville | $1,184 95 | |
| Horace Wing | 661 61 | |
| Carried forward | $1,846 56 | |

| | | |
|---|---|---|
| Brought forward | $1,846 56 | |
| James A. Jackson | 691 07 | |
| Robert H. Renwick | 1,101 57 | |
| | | $3,639 20 |
| To superintendents of repairs: | | |
| John H. Jones | $61,665 21 | |
| Frederick M. Mills | 23,853 82 | |
| James Lemen | 65,646 57 | |
| W. A. Kirkpatrick | 37,338 37 | |
| John L. Adams | 13,623 74 | |
| | | 202,127 71 |
| To contractors for repairs: | | |
| Charles E. Candee | $3,493 73 | |
| Fayette Bristol | 6,695 79 | |
| | | 10,189 52 |
| To Canal Commissioners: | | |
| John D. Fay, damages | | 5,097 86 |
| ordinary repairs | | 4,526 67 |
| extraordinary repairs | | 115,247 91 |
| Interest on awards, etc. | | 1,255 06 |
| | | $342,083 93 |

## ONEIDA LAKE CANAL FUND.

(No. 54.)

*Received, viz.:*

Transferred from the following accounts:

| | | |
|---|---|---|
| Fund for enlargement and completion | See No. 23, | $5,350 70 |
| Fund for reconstruction | 33, | 51,614 45 |
| | | $56,965 15 |

(No. 55.)

*Paid, viz.:*

| | |
|---|---|
| To William W. Wright, Canal Commissioner, for reconstruction | $51,614 45 |
| Interest on awards, etc. | 5,350 70 |
| | $56,965 15 |

## BALDWINSVILLE CANAL FUND.

(No. 56.)

*Received, viz.:*

| | |
|---|---|
| Transferred from fund for enlargement and completion ..... See No. 23, | $350 00 |

(No. 57.)

*Paid, viz.:*

| | |
|---|---|
| To William W. Wright, Canal Commissioner, for damages ..... | $350 00 |

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## FUND OF THE ONEIDA RIVER IMPROVEMENT.

(No. 58.)

*Received, viz.:*

| | |
|---|---|
| Tolls ..... | $724 61 |
| Transferred from fund for enlargement and completion ..... See No. 23, | 38,392 62 |
| | $39,117 23 |

(No. 59.)

*Paid, viz.:*

| | |
|---|---|
| To William W. Wright, Canal Commissioner, for damages ..... | $37,299 56 |
| Interest on awards, etc ..... | 1,093 06 |
| | $38,392 62 |
| Transferred to Erie and Champlain canals, surplus tolls ..... See No. 38, | 724 61 |
| | $39,117 23 |

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## FUND OF THE SENECA RIVER TOWING-PATH.

(No. 60.)

*Received, viz.:*

| | |
|---|---|
| Tolls ..... | $146 33 |

(No. 61.)

*Paid, viz.:*

| | |
|---|---|
| Transferred to Erie and Champlain canals, surplus tolls.....See No. 38, | $146 33 |

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## FUND OF THE CAYUGA INLET.

(No. 62.)

*Received, viz.:*

| | |
|---|---|
| Tolls ..... | $219 55 |

(No. 63.)

*Paid, viz.:*

| | |
|---|---|
| To the Treasury, under act, chapter 251, Laws of 1847 ..... | $109 77 |
| Transferred to the Erie and Champlain canals, surplus tolls.....See No. 38, | 109 78 |
| | $219 55 |

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## CANAL DEBT.

(*Under Article 7, Section 1, of the Constitution.*)

(No. 64.)

| | | |
|---|---|---|
| *Erie and Champlain canals:* | | |
| Stock not bearing interest..... | | $160 00 |
| *Redeemable as follows, viz.:* | | |
| Six per cent 1st July, 1837..... | $160 00 | |
| *To supply deficiencies:* | | |
| Stock bearing five per cent interest..... | | 1,106,420 00 |
| *Redeemable as follows, viz.:* | | |
| 5 per cent 1st January, 1874..... | $1,106,420 00 | |
| Total Canal Debt under article 7, section 1, of the Constitution ..... | | $1,106,580 00 |
| Of which there pays no interest..... | | 160 00 |
| Canal Debt under section 1, paying interest..... | | $1,106,420 00 |

(*Under Article* 7, *Section* 3, *of the Constitution.*)

*For the Enlargement of the Erie, the Oswego, etc., viz.:*

| | | |
|---|---|---|
| Stock bearing six per cent interest..... | | $7,497,500 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st July, 1872..... | $1,562,900 00 | |
| 6 " 1st January, 1873..... | 847,500 00 | |
| 6 " 1st July, 1873..... | 1,013,500 00 | |
| 6 " 1st November, 1873..... | 1,974,600 00 | |
| 6 " 1st October, 1874..... | 2,099,000 00 | |
| | $7,497,500 00 | |

*For payment of canal revenue certificates:*

| | | |
|---|---|---|
| Stock bearing six per cent interest..... | | 1,314,500 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st July, 1873..... | $1,314,500 00 | |

*To supply deficiencies:*

| | | |
|---|---|---|
| Stock bearing six per cent interest ..... | | 473,000 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st October, 1875..... | $473,000 00 | |
| Total Canal Debt under section 3, paying interest.. | | $9,285,000 00 |

(*Under Article* 7, *Section* 12, *of the Constitution.*)

*For the payment of the floating debt.*

| | | |
|---|---|---|
| Stock bearing six per cent interest ..... | | $1,575,000 00 |
| *Redeemable as follows, viz.:* | | |
| 6 per cent 1st July, 1872..... | $695,000 00 | |
| 6 " 1st December, 1877 ..... | 880,000 00 | |
| | $1,575,000 00 | |
| Total Canal Debt under section 12, paying interest.. | | $1,575,000 00 |

## RECAPITULATION OF THE FOREGOING STATEMENT OF THE CANAL DEBT PAYING INTEREST ON THE 30TH SEPTEMBER, 1871.

| | |
|---|---|
| Under art. 7, sec. 1, of the Constitution | $1,106,420 00 |
| Under art. 7, sec. 3, of the Constitution | 9,285,000 00 |
| Under art. 7, sec. 12, of the Constitution | 1,575,000 00 |
| | $11,966,420 00 |

---

*STATEMENT of the Canal Debt 30th September,* 1871, *showing each description of stock, the amount redeemable in each year, and the annual interest on the same.*

| When due. | Five per cent. | Six per cent. | Total. |
|---|---|---|---|
| 1837 | $160 00 | ..... | $160 00 |
| Pays no interest | $160 00 | ..... | $160 00 |
| 1872 | ..... | $2,257,900 00 | $2,257,900 00 |
| 1873 | ..... | 5,150,100 00 | 5,150,100 00 |
| 1874 | $1,106,420 00 | 2,099,000 00 | 3,205,420 00 |
| 1875 | ..... | 473,000 00 | 473,000 00 |
| 1877 | ..... | 880,000 00 | 880,000 00 |
| Debt paying interest | $1,106,420 00 | $10,860,000 00 | $11,966,420 00 |
| Debt not paying interest | 160 00 | ..... | 160 00 |
| Total debt | $1,106,580 00 | $10,860,000 00 | $11,966,580 00 |
| Annual interest | $55,321 00 | $651,600 00 | $706,921 00 |

## AN ANALYSIS OF THE FOREGOING TABLE.

| Principal of debt, and sections of article 7, of the Constitution. | | Annual interest of the debt. |
|---|---|---|
| Section 1, 5's | $1,106,420 00 | $55,321 00 |
| 3, 6's | 9,285,000 00 | 557,100 00 |
| 12, 6's | 1,575,000 00 | 94,500 00 |
| | $11,966,420 00 | $706,921 00 |

The interest on the debt is about 5 $\frac{9}{100}$ per cent.

Of the above debt paying interest, there was held on the 30th September, 1871,

| | |
|---|---|
| On the United States account | $9,917,120 00 |
| On foreign account | 2,049,300 00 |
| | $11,966,420 00 |

(No. 65.)

*STATEMENT showing the balance on hand, September 30th, 1871, how deposited and invested, together with the names of the accounts to which it belongs.*

## DEPOSITED.

| Names of banks. | Amounts. |
|---|---|
| Albany City National Bank | $16,284 31 |
| Atlantic National Bank, New York | 9,726 41 |
| Bank of Attica, Buffalo | 17,812 01 |
| Bank of Booneville | 983 33 |
| Bank of Monroe, Rochester | 17,323 14 |
| Binghamton Savings Bank | 290 20 |
| Clarke National Bank, Rochester | 4,995 43 |
| Central National Bank, Rome | 9,855 16 |
| Central National Bank, Troy | 3,325 15 |
| City Bank, Oswego | 44,958 64 |
| Cuba Banking Company | 15,674 51 |
| Farmers' and Mechanics' National Bank, Buffalo | 17,927 83 |
| First National Bank, Albion | 631 58 |
| First National Bank, Auburn | 5,483 14 |
| First National Bank, Brockport | 744 34 |
| First National Bank, Buffalo | 17,825 06 |
| First National Bank, Dansville | 217 42 |
| First National Bank, Lowville | 2,111 29 |
| First National Bank, Oswego | 7,342 96 |
| First National Bank, Oxford | 59 27 |
| First National Bank, Palmyra | 1,087 29 |
| First National Bank, Watkins | 3,369 42 |
| First National Bank, Whitehall | 4,928 25 |
| Fort Stanwix National Bank, Rome | 10,011 63 |
| Fourth National Bank, Syracuse | 5,135 38 |
| Genesee River National Bank, Mount Morris | 763 82 |
| Geneva National Bank | 5,801 04 |
| Herkimer County National Bank, Little Falls | 801 69 |
| J. N. Hungerford's Bank, Corning | 815 36 |
| Lake Ontario National Bank, Oswego | 7,374 78 |
| Manhattan Company, New York | 11,395 32 |
| Manufacturers' and Traders' Bank, Buffalo | 17,962 33 |
| Manufacturers' National Bank, Troy | 2,966 10 |
| Marine Bank, Buffalo | 18,115 72 |
| Carried forward | $284,099 31 |

| | |
|---|---|
| Brought forward | $284,099 31 |
| Mechanics' and Farmers' Bank, Albany | 16,676 01 |
| Merchants' National Bank, Albany | 15,344 24 |
| Merchants' National Bank, Syracuse | 14,902 64 |
| M. L. Baldwin's Bank, Penn Yan | 893 90 |
| Mutual National Bank, Troy | 3,281 19 |
| National Albany Exchange Bank | 3,323 28 |
| National Commercial Bank, Albany | 3,880,035 93 |
| National Exchange Bank, Lockport | 955 45 |
| National Marine Bank, Oswego | 7,307 46 |
| National State Bank, Troy | 3,254 25 |
| National Trust Company, New York | 9,676 75 |
| New York and Erie Bank, Buffalo | 17,511 30 |
| New York State National Bank, Albany | 15,461 10 |
| Niagara County National Bank, Lockport | 999 95 |
| Old National Bank, Whitehall | 4,596 25 |
| Oneida County Bank, Utica | 405 67 |
| Phœnix Bank, Phœnix | 3,596 84 |
| Q. W. Wellington & Co.'s Bank, Corning | 812 87 |
| Reynolds, Bennitt & Co.'s Bank, Horseheads | 787 85 |
| Saratoga County National Bank, Waterford | 3,109 24 |
| State Bank, Fort Edward | 2,749 33 |
| Tioga National Bank, Owego | 20,154 51 |
| Third National Bank, Buffalo | 17,927 65 |
| Union Bank, Medina | 13,525 40 |
| Utica City National Bank | 1,111 34 |
| White's Bank, Buffalo | 17,839 98 |
| Available | $4,360,339 69 |

| | |
|---|---|
| Bank of Corning | $11,135 63 |
| Bank of Hornellsville | 9,554 11 |
| Canal Bank, Lockport | 7,231 20 |
| Central City Bank, Syracuse | 10,674 08 |
| Farmers' and Citizens' National Bank, Brooklyn | 5,256 29 |
| J. T. Raplee's Bank, Penn Yan | 1,689 07 |
| Lockport Bank and Trust Company | 8,845 00 |
| Medina Bank | 5,045 62 |
| Oliver Lee & Co.'s Bank | 14,422 16 |
| Carried forward | $73,853 16 |

| | |
|---|---|
| Brought forward | $73,853 16 |
| Pratt Bank | 11,625 17 |
| Unavailable | $85,478 33 |
| Amount deposited in banks, available | $4,360,339 69 |
| " " unavailable | 85,478 33 |
| | $4,445,818 02 |

INVESTED.

| | | |
|---|---|---|
| United States Bonds | $50,000 00 | |
| Real estate, etc., of Bank of Corning | 3,799 00 | |
| | | 53,799 00 |
| Appropriations overdrawn, viz.: | | |
| The Erie and Champlain canals, for balance in hands of Canal Commissioners unexpended | | 8,966 48 |
| The Sinking Fund for redemption of the debt for enlargement and completion of the canals | | 356,766 65 |
| | | $4,865,350 15 |

*Of the above amounts there belongs to:*

| | | |
|---|---|---|
| Sinking Fund for the redemption of the Canal Debt, | See No. 3, | $1,133,591 56 |
| Sinking Fund for the General Fund Debt | 5, | 981,588 68 |
| Sinking Fund for the redemption of loans for payment of the floating debt | See No. 9, | 707,401 36 |
| Investment of premiums on loans | 11, | 12,014 66 |
| Fund for extraordinary repairs | 13, | 1,170,436 63 |
| Fund for the Albany basin | 17, | 706 58 |
| Taxes of 1866 | 19, | 269 30 |
| Fund for the enlargement of the Erie, the Oswego, etc | See No. 23, | 295,215 13 |
| Fund for the improvement of Champlain canal, | See No. 25, | 8,088 46 |
| Fund for the enlargement of Champlain canal, | See No. 27, | 775 11 |
| Fund for the extension of Chenango canal, | 29, | 90,458 16 |
| Fund for the reconstruction of Oneida Lake canal, | See No. 31, | 18,753 02 |
| Carried forward | | $4,419,298 65 |

| | | |
|---|---|---|
| Brought forward | | $4,419,298 65 |
| Repair Trust Fund | See No. 33, | 38,482 65 |
| Temporary loan of the Manhattan Co. | 35, | 200,000 00 |
| Fund of Erie and Champlain canals | 39, | 202,344 01 |
| Oswego canal | 41, | 4,399 91 |
| Black River canal | 51, | 824 93 |
| | | $4,865,350 15 |

(No. 66.)

*STATEMENT of the Operation of the Sinking Fund for the Canal Debt, under Article 7, Section 1, of the Constitution.*

| YEARS. | RECEIVED. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Loans to supply deficiencies. | Premiums on loans. | Proceeds of taxes. | From tolls. | Interest on deposits and investments, and discount on stocks purchased. | Reimbursem't of temporary investments in taxes to be levied and interest thereon. | Sale of stock investments. | Miscellaneous. | Total. |
| 1846 | ..... | ..... | ..... | $433,333 33 | ..... | ..... | ..... | ..... | $433,333 33 |
| 1847 | ..... | ..... | ..... | 1,300,000 00 | ..... | ..... | ..... | ..... | 1,300,000 00 |
| 1848 | $825,000 00 | $16,858 94 | $119,410 30 | 1,300,000 00 | $1,899 71 | ..... | ..... | ..... | 2,263,168 95 |
| 1849 | 1,739,024 76 | ..... | ..... | 1,300,000 00 | 7,774 28 | ..... | ..... | $760 00 | 3,047,559 04 |
| 1850 | ..... | 215,610 76 | ..... | 1,300,000 00 | ..... | ..... | ..... | 42,869 93 | 1,558,480 69 |
| 1851 | ..... | ..... | ..... | 1,300,000 00 | ..... | ..... | ..... | ..... | 1,300,000 00 |
| 1852 | ..... | ..... | ..... | 1,300,000 00 | 3,250 00 | ..... | ..... | ..... | 1,303,250 00 |
| 1853 | ..... | ..... | ..... | 1,300,000 00 | 23,335 79 | ..... | ..... | ..... | 1,323,335 79 |
| 1854 | ..... | ..... | ..... | 1,300,000 00 | 10,000 00 | $657,145 86 | ..... | ..... | 1,967,145 86 |
| 1855 | ..... | ..... | ..... | 1,300,000 00 | 28,000 00 | ..... | ..... | ..... | 1,328,000 00 |
| 1856 | 4,000,000 00 | ..... | ..... | 1,700,000 00 | 14,000 00 | ..... | ..... | ..... | 5,714,000 00 |
| 1857 | ..... | 28,427 73 | ..... | 1,589,015 60 | 34,714 11 | ..... | ..... | 1,989 94 | 1,654,147 38 |
| 1858 | 1,500,000 00 | 24,300 00 | 40,500 00 | 993,325 97 | 65,674 74 | ..... | $121,938 00 | 112 65 | 2,745,851 36 |
| 1859 | ..... | ..... | 47,000 00 | 962,060 67 | 18,705 32 | ..... | ..... | ..... | 1,027,705 99 |
| 1860 | ..... | ..... | ..... | 1,669,611 61 | 36,258 18 | 835,663 75 | ..... | ..... | 2,541,533 54 |
| 1861 | 1,200,000 00 | 16,883 50 | ..... | 1,700,000 00 | 14,650 48 | ..... | ..... | ..... | 2,931,533 98 |
| 1862 | ..... | ..... | ..... | 1,700,000 00 | 22,942 24 | ..... | ..... | ..... | 1,722,942 24 |
| 1863 | ..... | ..... | ..... | 1,700,000 00 | 54,000 00 | 582,113 76 | ..... | ..... | 2,336,113 76 |
| 1864 | ..... | ..... | ..... | 1,700,000 00 | 68,227 00 | ..... | ..... | ..... | 1,768,227 00 |
| 1865 | ..... | ..... | ..... | 1,650,091 86 | 99,232 25 | 9,731 68 | ..... | ..... | 1,759,055 79 |
| 1866 | ..... | ..... | ..... | 1,700,000 00 | 59,992 22 | 468,000 00 | ..... | ..... | 2,227,992 22 |
| 1867 | ..... | ..... | ..... | 1,700,000 00 | 75,471 25 | 624,000 00 | ..... | ..... | 2,399,471 25 |
| 1868 | ..... | ..... | ..... | 1,700,000 00 | 73,173 43 | 520,000 00 | ..... | ..... | 2,293,173 43 |
| 1869 | ..... | ..... | ..... | ..... | 59,513 00 | 1,034,500 00 | ..... | ..... | 1,094,013 00 |
| 1870 | ..... | ..... | ..... | ..... | 53,803 75 | 36,040 00 | ..... | ..... | 89,843 75 |
| 1871 | ..... | ..... | ..... | ..... | 14,030 99 | 525,000 00 | ..... | ..... | 539,030 99 |
| Total | $9,264,024 76 | $302,080 93 | $206,910 30 | $32,597,379 04 | $838,648 74 | $5,292,195 05 | $121,938 00 | $45,732 52 | $48,668,909 34 |

## STATEMENT No. 66 — (*Continued*).

| YEARS. | PAID. | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Principal of debt. | Interest on debt. | Claims prior to 1st June, 1846. | Premium on stocks purch'ed. | Accrued interest on stocks purchased. | Temporary investments in taxes to be collected. | Investments in stocks. | Certificates, plates and agency in New York. | Premium on coin purchased to pay interest. | General fund for deferred contributions, under art. 7, sec. 2, of the constitution, and int. thereon. | Miscellaneous. | Total. |
| 1846 | $433,333 33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $433,333 33 |
| 1847 | 205,256 00 | $937,205 64 | ..... | $5,131 40 | ..... | ..... | ..... | $2,116 00 | ..... | ..... | ..... | 1,149,709 04 |
| 1848 | 1,341,489 00 | 911,736 05 | ..... | 3,829 25 | $9 21 | ..... | ..... | 2,452 00 | ..... | ..... | ..... | 2,259,515 51 |
| 1849 | 2,097,329 00 | 898,599 05 | ..... | ..... | 2,101 38 | ..... | ..... | 2,597 00 | ..... | ..... | ..... | 3,000,626 43 |
| 1850 | 482,786 64 | 861,211 00 | $84,715 52 | ..... | 1,636 34 | ..... | ..... | 2,185 00 | ..... | ..... | ..... | 1,432,534 50 |
| 1851 | 573,609 91 | 822,435 38 | 34,829 53 | ..... | 177 05 | ..... | ..... | 2,257 50 | ..... | ..... | ..... | 1,433,309 37 |
| 1852 | 340,265 45 | 801,161 00 | ..... | ..... | 278 53 | ..... | ..... | 2,170 75 | ..... | ..... | ..... | 1,143,875 73 |
| 1853 | ..... | 801,161 00 | ..... | ..... | ..... | $621,467 47 | ..... | 2,087 50 | ..... | ..... | ..... | 1,424,715 97 |
| 1854 | 479,025 00 | 792,911 00 | 10,936 86 | ..... | ..... | ..... | ..... | 2,229 66 | ..... | ..... | ..... | 1,285,102 52 |
| 1855 | 1,111,911 00 | 750,669 07 | 25,177 03 | ..... | ..... | ..... | ..... | 2,411 05 | ..... | ..... | ..... | 1,890,168 15 |
| 1856 | 4,118,266 34 | 692,193 28 | 12,113 37 | ..... | ..... | ..... | ..... | 2,908 13 | ..... | ..... | ..... | 4,825,481 12 |
| 1857 | 102,285 00 | 692,193 28 | 32,377 93 | ..... | 267 95 | ..... | $72,938 00 | 2,391 63 | ..... | ..... | ..... | 902,453 79 |
| 1858 | 2,929,767 34 | 672,710 72 | 217 39 | ..... | 82 22 | ..... | 49,000 00 | 3,001 38 | ..... | ..... | $338 35 | 3,655,117 40 |
| 1859 | 152,170 00 | 614,263 04 | 180 00 | ..... | ..... | 600,000 00 | ..... | 2,358 00 | ..... | ..... | 4,156 28 | 1,373,127 32 |
| 1860 | 900,523 00 | 600,116 50 | 318 00 | ..... | ..... | 200,000 00 | ..... | 2,381 25 | ..... | ..... | ..... | 1,703,338 75 |
| 1861 | 2,175,551 23 | 538,675 36 | ..... | ..... | ..... | ..... | ..... | 2,412 00 | ..... | ..... | 156 31 | 2,716,794 90 |
| 1862 | 920,000 00 | 517,230 08 | 220 00 | 22 49 | ..... | 559,724 77 | ..... | 2,212 00 | ..... | ..... | ..... | 1,999,409 34 |
| 1863 | 431,300 00 | 487,366 48 | 11 01 | 36,304 75 | 3,212 08 | ..... | ..... | 2,184 00 | $80,715 93 | ..... | 406 77 | 1,041,501 02 |
| 1864 | 457,700 00 | 457,105 98 | 50 00 | 8,391 25 | 363 60 | 9,268 27 | ..... | 2,307 25 | 31,418 47 | ..... | ..... | 966,604 82 |
| 1865 | 2,644,374 76 | 325,462 61 | ..... | 8,308 50 | 1,617 42 | 450,000 00 | ..... | 2,191 50 | ..... | $600,000 00 | ..... | 4,031,954 79 |
| 1866 | 415,750 00 | 251,565 00 | ..... | ..... | 576 92 | 600,000 00 | ..... | 2,239 00 | ..... | 782,961 04 | ..... | 2,053,091 96 |
| 1867 | 1,662,000 00 | 209,427 50 | ..... | 500 00 | 7,668 61 | 510,000 00 | ..... | 2,233 00 | ..... | 363,125 00 | 140 00 | 2,755,094 11 |
| 1868 | 1,017,200 00 | 138,378 75 | ..... | 1,856 46 | 3,423 35 | 1,000,000 00 | ..... | 2,249 50 | ..... | ..... | ..... | 2,163,108 06 |
| 1869 | 1,111,280 00 | 90,460 25 | ..... | 6,028 75 | 529 56 | 34,000 00 | ..... | 2,108 00 | ..... | ..... | ..... | 1,244,406 56 |
| 1870 | 23,000 00 | 55,896 00 | ..... | 300 00 | ..... | 500,000 00 | ..... | 2,163 50 | 5,186 94 | ..... | ..... | 586,546 44 |
| 1871 | ..... | 55,321 00 | ..... | ..... | ..... | ..... | ..... | 2,274 19 | 6,801 66 | ..... | ..... | 64,396 85 |
| Total | $26,126,173 00 | $13,975,455 02 | $201,146 64 | $70,672 85 | $21,944 22 | $5,084,460 51 | $121,938 00 | $58,120 79 | $124,123 00 | $1,746,086 04 | $5,197 71 | $47,535,317 78 |
| Balance on hand 30th September, 1871 | | | | | | | | | | | | 1,133,591 56 |
| | | | | | | | | | | | | $48,668,909 34 |

( No. 67. )

*STATEMENT of the Operation of the Sinking Fund for the Canal Debt, under Article 7, Section 3 of the Constitution.*

| YEARS. | RECEIVED. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Loans to supply deficiencies. | Premiums on loans. | Proceeds of taxes. | From tolls. | Interest on deposits and investments, and discount on stock purchased. | Miscellaneous. | Total. |
| 1854 | ..... | ..... | ..... | $94, 861 72 | ..... | ..... | $94, 861 72 |
| 1855 | ..... | ..... | ..... | ..... | $3, 809 00 | ..... | 3, 809 00 |
| 1856 | $500, 000 00 | ..... | $232, 500 00 | ..... | 8, 426 92 | ..... | 740, 926 92 |
| 1857 | 500, 000 00 | $10, 450 47 | ..... | ..... | 4, 420 32 | $310 92 | 515, 181 71 |
| 1858 | 500, 000 00 | 31, 025 50 | ..... | ..... | 4, 408 84 | ..... | 535, 434 34 |
| 1859 | ..... | ..... | 680, 000 00 | ..... | 4, 629 29 | ..... | 684, 629 29 |
| 1860 | 1, 200, 000 00 | 15, 178 50 | ..... | ..... | 4, 860 75 | ..... | 1, 220, 039 25 |
| 1861 | ..... | ..... | ..... | 645, 842 16 | 5, 103 79 | ..... | 650, 945 95 |
| 1862 | ..... | ..... | 1, 580, 742 61 | 1, 146, 242 66 | ..... | 41, 086 77 | 2, 768, 072 04 |
| 1863 | ..... | ..... | 198, 534 00 | 1, 116, 242 66 | 37, 178 76 | ..... | 1, 351, 955 42 |
| 1864 | ..... | ..... | ..... | 1, 116, 242 66 | 40, 998 54 | ..... | 1, 157, 241 20 |
| 1865 | ..... | ..... | ..... | ..... | 40, 443 25 | ..... | 40, 443 25 |
| 1866 | ..... | ..... | 690, 000 00 | 824, 756 39 | 32, 766 75 | ..... | 1, 547, 523 14 |
| 1867 | ..... | ..... | ..... | 780, 165 14 | 71, 381 28 | ..... | 851, 546 42 |
| 1868 | ..... | ..... | ..... | 1, 116, 242 66 | 30, 449 84 | ..... | 1, 146, 692 50 |
| 1869 | ..... | ..... | ..... | 1, 382, 772 58 | 35, 805 44 | ..... | 1, 418, 578 02 |
| 1870 | ..... | ..... | ..... | ..... | 46, 550 22 | ..... | 46, 550 22 |
| 1871 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total | $2, 700, 000 00 | $56, 654 47 | $3, 381, 776 61 | $8, 223, 368 63 | $371, 232 99 | $41, 397 69 | $14, 774, 430 39 |
| Overdraft in payment of interest to 30th September, 1871 | | | | | | | 356, 766 65 |
| | | | | | | | $15, 131, 197 04 |

## STATEMENT No. 67—(*Continued*).

| YEARS. | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Principal of debt. | Interest on debt. | Premium on stocks purchased. | Accrued interest on stocks purchased. | Interest on temporary advances. | Premium on coin purch'd to pay inte'st. | Miscellaneous. | Total. |
| 1854 | ..... | $18,691 23 | ..... | ..... | ..... | ..... | ..... | $18,691 23 |
| 1855 | ..... | 211,274 82 | ..... | ..... | ..... | ..... | ..... | 211,274 82 |
| 1856 | ..... | 477,484 11 | ..... | ..... | ..... | ..... | ..... | 477,484 11 |
| 1857 | ..... | 644,914 37 | ..... | ..... | ..... | ..... | ..... | 644,914 37 |
| 1858 | ..... | 706,280 80 | ..... | ..... | ..... | ..... | ..... | 706,280 80 |
| 1859 | ..... | 710,000 00 | ..... | ..... | ..... | ..... | ..... | 710,000 00 |
| 1860 | ..... | 728,000 00 | ..... | ..... | $40,614 02 | ..... | $431 29 | 769,045 31 |
| 1861 | ..... | 782,000 00 | $498 13 | $745 35 | ..... | ..... | 132 53 | 783,376 01 |
| 1862 | $1,200,000 00 | 728,000 00 | ..... | ..... | ..... | ..... | ..... | 1,928,000 00 |
| 1863 | 60,000 00 | 710,000 00 | 6,982 50 | 288 75 | ..... | $117,593 75 | ..... | 894,865 00 |
| 1864 | 204,000 00 | 704,450 00 | 22,737 50 | 1,038 50 | ..... | 10,735 55 | ..... | 942,961 55 |
| 1865 | 69,000 00 | 694,212 50 | 8,990 00 | 188 47 | ..... | ..... | ..... | 772,390 97 |
| 1866 | 100,000 00 | 690,850 00 | ..... | 249 42 | ..... | ..... | ..... | 791,099 42 |
| 1867 | 792,000 00 | 657,975 00 | ..... | 3,211 44 | ..... | ..... | ..... | 1,453,186 44 |
| 1868 | 450,900 00 | 630,057 50 | 2,254 50 | ..... | ..... | ..... | ..... | 1,083,212 00 |
| 1869 | 502,900 00 | 611,715 00 | 15,010 30 | 53 17 | ..... | ..... | ..... | 1,129,678 47 |
| 1870 | 536,200 00 | 573,186 00 | 29,551 00 | ..... | ..... | 51,296 67 | ..... | 1,190,233 67 |
| 1871 | ..... | 557,100 00 | ..... | ..... | ..... | 67,402 87 | ..... | 624,502 87 |
| Total | $3,915,000 00 | $10,836,191 33 | $86,023 93 | $5,775 10 | $40,614 02 | $247,028 84 | $563 82 | $15,131,197 04 |

( No. 68. )

*STATEMENT of the Operation of the Sinking Fund for the Canal Debt, under Article 7, Section 12, of the Constitution.*

| YEARS. | RECEIVED. | | | | PAID. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Proceeds of taxes. | Interest on deposits and investments. | Temporary loan to pay interest and investments in taxes and interest. | Total. | Principal of debt. | Interest on debt. | Premium on stocks purchased. | Accrued interest on stocks purchased. | Temporary loan. | Temporary investment in taxes to be collected. | Premium on coin purchased to pay interest. | Stock debt under article 7, section 10, of the Constitution. | Total. |
| 1860 .... | ..... | ..... | $187,500 | $187,500 00 | ..... | $112,500 | ..... | ..... | ..... | ..... | ..... | ..... | $112,500 00 |
| 1861 .... | $350,000 00 | ..... | ..... | 350,000 00 | ..... | 150,000 | ..... | ..... | $187,500 | ..... | ..... | ..... | 337,500 00 |
| 1862 .... | 475,205 60 | $18,045 69 | ..... | 493,251 29 | ..... | 150,000 | $3,469 85 | $526 68 | ..... | ..... | ..... | ..... | 153,996 53 |
| 1863 .... | 355,040 28 | 5,764 58 | ..... | 360,804 86 | $242,000 | 150,000 | 14,200 00 | 1,283 00 | ..... | ..... | $24,843 75 | ..... | 432,326 75 |
| 1864 ... | 535,373 94 | 21,101 64 | ..... | 556,475 58 | 15,000 | 135,255 | 3,700 00 | 197 43 | ..... | ..... | 605 59 | ..... | 154,758 02 |
| 1865 .... | 367,744 97 | 18,989 58 | ..... | 386,734 55 | 41,000 | 132,735 | 1,993 75 | 419 69 | ..... | ..... | ..... | ..... | 176,148 44 |
| 1866 .... | 379,965 52 | 35,097 36 | ..... | 415,062 88 | 459,000 | 123,765 | 270 00 | 316 50 | ..... | ..... | ..... | $392,585 49 | 975,936 99 |
| 1867 .... | 187,575 63 | 20,676 12 | ..... | 208,251 75 | 43,000 | 102,000 | ..... | ..... | ..... | ..... | ..... | ..... | 145,000 00 |
| 1868 .... | 203,853 20 | 21,291 26 | ..... | 225,144 46 | 15,000 | 101,325 | 75 00 | ..... | ..... | $350,000 | ..... | ..... | 466,400 00 |
| 1869 .... | 184,171 40 | 13,601 53 | 358,750 | 556,522 93 | 71,000 | 100,035 | 2,205 00 | ..... | ..... | ..... | ..... | ..... | 173,240 00 |
| 1870 .... | 227,864 79 | 28,813 21 | ..... | 256,678 00 | 39,000 | 95,670 | 2,185 00 | ..... | ..... | 325,000 | 8,573 60 | ..... | 470,428 00 |
| 1871 .... | 240,957 65 | 2,796 88 | 341,250 | 585,004 53 | ..... | 94,500 | ..... | ..... | ..... | 170,000 | 11,294 14 | ..... | 275,794 14 |
| Total . | $3,507,752 98 | $186,177 85 | $887,500 | $4,581,430 83 | $925,000 | $1,447,785 | $28,098 60 | $2,743 30 | $187,500 | $845,000 | $45,317 08 | $392,585 49 | $3,874,029 47 |
| Balance on hand, 30th September, 1871 | | | | | | | | | | | | | *707,401 36 |
| | | | | | | | | | | | | | $4,581,430 83 |

*Applicable to payment of principal and interest of stock debt, under article 7, section 1, of the Constitution, which, on the 30th September, 1871, amounted to $1,575,000.

( No. 69. )

*STATEMENT showing the Amount of Taxes paid into the Treasury for account of the Canal Fund under the present Constitution.*

| YEARS. | For redemption of Cayuga and Seneca canal stock. | For Sinking Fund under art. 7, sec. 1. | For Sinking Fund under art. 7, sec. 3. | For Sinking Fund under art. 7, sec. 12. | For Gen'l Fund Debt Sinking Fund. | For damages prior to 1st June, 1846, and sundry objects and works. | For enlargement and completion of the canals, under art. 7, sec. 3. | For improvem't of the Champlain canal. | For extension of the Chenango canal. | For improvem't of the Genesee Valley canal. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1846 | $56,503 47 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $56,503 47 |
| 1847 | ..... | $119,410 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 119,410 30 |
| 1854 | ..... | ..... | ..... | ..... | ..... | $621,467 47 | ..... | ..... | ..... | ..... | 621,467 47 |
| 1856 | ..... | ..... | $232,500 00 | ..... | $87,500 00 | ..... | ..... | ..... | ..... | ..... | 320,000 00 |
| 1857 | ..... | ..... | ..... | ..... | 262,500 00 | ..... | ..... | ..... | ..... | ..... | 262,500 00 |
| 1858 | ..... | 40,500 00 | ..... | ..... | ..... | ..... | $1,200,000 00 | ..... | ..... | ..... | 1,240,500 00 |
| 1859 | ..... | 47,000 00 | 680,000 00 | ..... | ..... | ..... | 163,567 66 | ..... | ..... | ..... | 890,567 66 |
| 1860 | ..... | ..... | ..... | ..... | ..... | ..... | 1,069,515 70 | ..... | ..... | ..... | 1,069,515 70 |
| 1861 | ..... | ..... | ..... | $350,000 00 | ..... | ..... | 490,552 28 | ..... | ..... | ..... | 840,552 28 |
| 1862 | ..... | ..... | 1,580,742 61 | 475,205 60 | ..... | ..... | 713,674 88 | ..... | ..... | ..... | 2,769,623 09 |
| 1863 | ..... | ..... | 198,534 00 | 355,040 28 | ..... | ..... | 866,614 17 | ..... | ..... | ..... | 1,420,188 45 |
| 1864 | ..... | ..... | ..... | 535,373 94 | ..... | ..... | ..... | ..... | ..... | ..... | 535,373 94 |
| 1865 | ..... | ..... | ..... | 367,744 97 | ..... | ..... | ..... | $147,097 99 | $275,000 00 | $91,936 24 | 881,779 20 |
| 1866 | ..... | ..... | 690,000 00 | 379,965 52 | ..... | ..... | 639,879 33 | 151,986 21 | 285,782 86 | ..... | 2,147,613 92 |
| 1867 | ..... | ..... | ..... | 187,575 63 | ..... | ..... | 656,246 00 | 281,363 15 | 281,363 15 | ..... | 1,406,547 93 |
| 1868 | ..... | ..... | ..... | 209,853 20 | ..... | ..... | 815,412 78 | ..... | ..... | ..... | 1,019,265 98 |
| 1869 | ..... | *346,153 47 | ..... | 184,171 40 | ..... | ..... | 678,575 52 | 95,700 00 | 281,800 00 | 242,000 00 | 1,828,400 39 |
| 1870 | ..... | ..... | ..... | 227,864 79 | ..... | ..... | 1,087,188 77 | 80,000 00 | 200,000 00 | ..... | 1,595,053 56 |
| 1871 | ..... | †24,712 61 | ..... | 240,957 65 | ..... | ..... | 3,274,364 67 | 140,000 00 | 200,000 00 | ..... | 3,880,035 93 |
| Total | $56,503 47 | $577,777 38 | $3,381,776 61 | $3,507,752 98 | $350,000 00 | $621,467 47 | $11,655,591 76 | $896,147 35 | $1,523,946 01 | $333,936 24 | $22,904,899 27 |
| Balance of tax collected in 1867, on hand unappropriated | | | | | | | | | | | 269 30 |
| | | | | | | | | | | | $22,905,168 57 |

* Reconstructing Oneida Lake canal.

† Enlargement of Champlain canal.

(No. 70.)

*STATEMENT of the amount of tolls received on all the canals, etc., the amount paid to the collectors during the fiscal year ending 30th September,* 1871, *together with the net amount received in the fiscal years of* 1870 *and* 1871.

| CANALS. | Tolls, 1871. | Collectors, 1871. | Net, 1871. | Net, 1870. |
|---|---|---|---|---|
| Erie canal | $2,485,201 96 | $57,256 40 | $2,427,945 56 | $2,626,009 25 |
| Champlain canal | 148,553 87 | 8,683 47 | 139,870 40 | 163,587 19 |
| Total E. and C. canals | $2,633,755 83 | $65,939 87 | $2,567,815 96 | $2,789,596 44 |
| Oswego canal | 109,899 44 | 8,114 07 | 101,785 37 | 129,859 71 |
| Cayuga and Seneca canal | 22,261 69 | 2,373 29 | 19,888 40 | 26,570 19 |
| Chemung canal | 6,187 79 | 3,801 68 | 2,386 11 | 2,163 62 |
| Crooked Lake canal | 301 47 | 673 98 | ..... | ..... |
| Chenango canal | 8,981 38 | 2,531 14 | 6,450 24 | 17,608 66 |
| Black River canal | 12,313 03 | 1,981 26 | 10,331 77 | 10,078 41 |
| Genesee Valley canal | 18,895 17 | 3,639 20 | 15,255 97 | 13,804 01 |
| Oneida Lake canal | ..... | ..... | ..... | ..... |
| Baldwinsville canal | ..... | ..... | ..... | ..... |
| Oneida River improvement | 724 61 | ..... | 724 61 | 755 59 |
| Seneca River towing path | 146 33 | ..... | 146 33 | 292 23 |
| Cayuga inlet | 219 55 | ..... | 219 55 | 307 76 |
| Total | $2,813,686 29 | $89,054 49 | $2,725,004 31 | $2,991,036 62 |
| Deduct expenses over receipts on Crooked Lake canal | | | 372 51 | 339 52 |
| | | | $2,724,631 80 | $2,990,697 10 |

(No. 71.)

*STATEMENT showing*, 1. *The amount of Tolls (including rents from surplus waters) collected in each fiscal year, from* 1826 *to* 1871. 2. *Total sum paid to collectors, inspectors and weighmasters, and the expenses of their offices.* 3. *The percentage of the cost of collection on the gross amount of Tolls collected.* 4. *The year in which the collection of Tolls commenced, on each lateral canal.*

| YEAR. | 1. Tolls. | 2. Cost of collection. | 3. Per cent. | 4. Names of canals. |
|---|---|---|---|---|
| 1826, | $844,508 02 | ..... | ..... | Cayuga and Seneca. |
| 1827, | 881,134 09 | $27,086 61 | $3 06 | |
| 1828, | 831,002 10 | 31,095 20 | 3 73 | Oswego. |
| 1829, | 817,919 28 | 32,171 04 | 3 91 | |
| 1830, | 1,045,163 42 | 29,368 91 | 2 77 | |
| 1831, | 751,258 62 | 27,686 13 | 3 72 | |
| 1832, | 1,112,917 74 | 30,191 44 | 2 60 | |
| 1833, | 1,388,380 53 | 32,477 33 | 2 30 | |
| 1834, | 1,387,715 02 | 33,327 39 | 2 37 | Chemung and Crooked Lake. |
| 1835, | 1,484,595 61 | 35,391 37 | 2 35 | |
| 1836, | 1,598,455 48 | 35,275 32 | 2 19 | |
| 1837, | 1,325,609 77 | 41,476 69 | 3 09 | Chenango. |
| 1838, | 1,465,275 16 | 36,466 94 | 2 45 | |
| 1839, | 1,655,788 56 | 53,329 85 | 3 20 | |
| 1840, | 1,606,827 28 | 53,691 33 | 3 36 | |
| 1841, | 1,989,686 71 | 53,247 08 | 2 66 | Genesee Valley and Oneida Lake. |
| 1842, | 1,797,463 80 | 52,362 67 | 2 89 | |
| 1843, | 1,953,829 08 | 47,065 05 | 2 40 | |
| 1844, | 2,388,457 34 | 46,260 05 | 1 92 | |
| 1845, | 2,375,533 43 | 47,423 69 | 1 98 | |
| 1846, | 2,798,840 26 | 49,312 14 | 1 75 | |
| 1847, | 3,463,710 26 | 50,759 55 | 1 47 | |
| 1848, | 3,156,968 38 | 57,768 31 | 1 83 | |
| 1849, | 3,378,920 18 | 56,706 62 | 1 68 | |
| 1850, | 3,393,081 37 | 54,986 50 | 1 62 | Black River. |
| 1851, | 3,703,999 34 | 75,358 45 | 2 03 | |
| 1852, | 3,174,857 49 | 69,544 31 | 2 19 | |
| 1853, | 3,162,190 14 | 70,460 42 | 2 22 | Baldwinsville. |
| 1854, | 2,982,114 97 | 75,542 93 | 2 53 | |
| 1855, | 2,632,906 11 | 79,846 49 | 3 03 | |
| 1856, | 2,721,740 63 | 82,623 88 | 3 04 | |
| 1857, | 2,531,804 38 | 83,046 94 | 3 28 | |
| 1858, | 2,047,391 01 | 83,375 06 | 4 21 | |
| 1859, | 1,814,362 47 | 69,582 93 | 3 84 | |

No. 71 — (*Continued.*)

| YEAR. | 1. Tolls. | 2. Cost of collection. | 3. Per cent. | 4. Names of canals. |
|---|---|---|---|---|
| 1860, | 2,381,301 28 | 96,889 04 | 4 07 | |
| 1861, | 3,358,033 97 | 70,456 85 | 2 10 | |
| 1862, | 4,797,283 09 | 66,454 20 | 1 39 | |
| 1863, | 5,029,596 32 | 65,938 58 | 1 31 | |
| 1864, | 4,310,293 02 | 68,577 17 | 1 59 | |
| 1865, | 3,521,631 63 | 77,122 55 | 2 19 | |
| 1866, | 4,253,224 92 | 85,890 65 | 2 02 | |
| 1867, | 3,993,326 29 | 87,993 00 | 2 20 | |
| 1868, | 4,418,309 50 | 90,108 81 | 2 04 | |
| 1869, | 4,114,093 52 | 90,039 03 | 2 19 | |
| 1870, | 3,085,028 05 | 104,496 30 | 3 39 | |
| 1871, | 2,814,953 79 | 103,098 61 | 3 66 | |

(No. 72.)

## STATEMENT,

*Showing*, 1. *The tolls (including rents from surplus waters) received in each fiscal year, from* 1826 *to* 1871. 2. *The cost of repairs and collection of tolls.* 3. *The percentage which the cost of the maintenance of all the canals bears to the gross amount of tolls.* 4. *The aggregate tonnage of the total movement on all the canals, from* 1836, *when an account of tonnage was commenced, to* 1870.

| YEAR. | 1. Tolls collected. | 2. Expenses of collection and repairs. | 3. Per cent of cost of maintenance on tolls. | 4. Tonnage of all canals. |
|---|---|---|---|---|
| 1826, | $844,508 02 | $531,675 73 | 62.95 | ..... |
| 1827, | 881,134 99 | 494,701 05 | 56.18 | ..... |
| 1828, | 831,002 10 | 393,517 99 | 47.41 | ..... |
| 1829, | 817,919 28 | 357,587 52 | 43.76 | ..... |
| 1830, | 1,045,163 42 | 292,675 76 | 28.03 | ..... |
| 1831,* | 751,268 62 | 224,419 83 | 29.82 | ..... |
| 1832, | 1,112,917 74 | 428,964 78 | 38.54 | ..... |
| 1833, | 1,388,380 53 | 487,797 32 | 35.15 | ..... |
| 183 , | 1,387,715 02 | 534,897 82 | 38.54 | ..... |
| 1835, | 1,484,595 61 | 510,524 76 | 34.41 | ..... |
| 1836, | 1,598,455 48 | 467,599 33 | 29.22 | 1,310,807 |
| 1837, | 1,325,609 77 | 608,993 60 | 45.88 | 1,171,296 |
| 1838, | 1,465,275 16 | 622,027 29 | 42.42 | 1,333,011 |
| 1839, | 1,655,788 56 | 504,757 53 | 30.45 | 1,435,713 |
| 1840, | 1,606,827 28 | 575,020 58 | 35.80 | 1,416,046 |
| 1841, | 1,989,686 71 | 514,517 55 | 25.84 | 1,521,661 |
| 1842, | 1,797,463 80 | 642,584 30 | 35.72 | 1,236,931 |
| 1843, | 1,953,829 08 | 531,145 56 | 27.18 | 1,513,439 |
| 1844, | 2,388,457 34 | 636,857 72 | 26.63 | 1,816,586 |
| 1845, | 2,375,533 43 | 738,106 32 | 31.07 | 1,977,565 |
| 1846, | 2,798,849 76 | 639,353 01 | 22.83 | 2,268,662 |
| 1847, | 3,463,710 26 | 641,650 08 | 18.53 | 2,864,810 |
| 1848, | 3,156,968 38 | 855,850 64 | 27.11 | 2,796,230 |
| 1849, | 3,378,920 18 | 685,803 91 | 20.30 | 2,894,732 |
| 1850, | 3,393,081 37 | 835,965 81 | 24.64 | 3,076,617 |
| 1851, | 3,703,999 34 | 907,730 20 | 24.50 | 3,582,732 |
| 1852, | 3,174,857 49 | 1,049,045 92 | 33.04 | 3,863,441 |
| 1853, | 3,162,190 14 | 1,098,476 92 | 34.73 | 4,247,853 |
| 1854, | 2,082,114 97 | 1,237,866 20 | 41.51 | 4,165,862 |
| 1855, | 2,632,906 11 | 989,792 12 | 37.59 | 4,022,617 |
| 1856, | 2,721,740 63 | 786,633 40 | 28.90 | 4,116,082 |
| 1857, | 2,531,804 38 | 970,453 46 | 38.33 | 3,344,061 |
| 1858, | 2,047,391 01 | 1,078,878 91 | 52.69 | 3,665,192 |
| 1859, | 1,814,362 47 | 897,878 86 | 49.49 | 3,781,684 |
| 186 , | 2,381,301 28 | 746,976 78 | 31.33 | 4,650,214 |
| 1861, | 3,358,033 97 | 706,786 14 | 21.05 | 4,507,635 |
| 1862, | 4,797,293 09 | 773,398 22 | 16.12 | 5,598,785 |
| 1863, | 5,029,596 32 | 770,882 52 | 15.33 | 5,557,692 |
| 1864, | 4,310,293 02 | 1,028,909 46 | 23.87 | 4,852,941 |
| 1865, | 3,521,631 63 | 1,927,373 59 | 54.73 | 4,729,654 |
| 1866, | 4,253,224 92 | 1,434,989 73 | 33.74 | 5,775,220 |
| 1867, | 3,993,326 29 | 1,220,192 65 | 30.56 | 5,688,325 |
| 1868, | 4,418,309 50 | 1,184,245 04 | 26.80 | 6,442,225 |
| 1869, | 4,114,093 52 | 1,278,507 52 | 31.08 | 5,859,080 |
| 1870, | 3,083,023 05 | †1,945,635 93 | 63.11 | 6,173,769 |
| 1871, | 2,814,953 79 | ‡2,250,145 62 | 79.94 | ..... |

The tonnage returns for 1871 are not all in, but may be seen in the report of "Tolls, Trade and Tonnage," yet to be made by the Auditor.

* Nine months

† Not including $591,528.37 advanced by the Albany Deposit Banks.

‡ Including $591,528.37, advanced by the Albany Deposit Banks.

(No. 73.)

## STATEMENT

*Showing the receipts of tolls and miscellaneous expenses of collection and repairs, and surplus revenues, from* 1836 *to* 1871, *in each fiscal year.*

| YEAR. | Tolls and miscellaneous receipts. | Expenses of collection and repairs. | Surplus revenues in each year. |
|---|---|---|---|
| 1836, | $1,598,455 48 | $467,599 33 | $1,130,856 15 |
| 1837, | 1,325,609 77 | 608,993 60 | 716,616 17 |
| 1838, | 1,465,275 16 | 622,027 39 | 843,247 87 |
| 1839, | 1,655,788 56 | 504,757 53 | 1,151,031 03 |
| 1840, | 1,606,827 28 | 575,020 58 | 1,031,806 70 |
| 1841, | 1,989,686 71 | 514,517 55 | 1,475,169 16 |
| 1842, | 1,797,463 80 | 642,584 30 | 1,154,879 50 |
| 1843, | 1,953,829 08 | 531,145 56 | 1,422,683 52 |
| 1844, | 2,388,457 34 | 636,857 72 | 1,751,599 62 |
| 1845, | 2,375,533 43 | 737,106 32 | 1,637,427 11 |
| 1846, | 2,842,214 13 | 639,353 01 | 2,202,861 12 |
| 1847, | 3,473,484 60 | 641,650 08 | 2,831,834 52 |
| 1848, | 3,204,070 16 | 855,850 64 | 2,348,219 52 |
| 1849, | 3,442,906 62 | 685,803 91 | 2,757,102 71 |
| 1850, | 3,486,172 30 | 835,965 81 | 2,650,206 49 |
| 1851, | 3,722,163 11 | 907,730 20 | 2,814,432 91 |
| 1852, | 3,179,145 78 | 1,049,045 92 | 2,130,099 86 |
| 1853, | 3,168,546 51 | 1,098,476 92 | 2,070,069 59 |
| 1854, | 2,988,665 21 | 1,237,866 20 | 1,750,799 01 |
| 1855, | 2,639,792 12 | 989,792 12 | 1,650,000 00 |
| 1856, | 2,749,133 40 | 786,633 40 | 1,962,500 00 |
| 1857, | 2,559,469 06 | 970,453 46 | 1,589,015 60 |
| 1858, | 2,072,204 88 | 1,078,878 91 | 993,325 97 |
| 1859, | 1,859,879 63 | 897,878 96 | 962,000 67 |
| 1860, | 2,416,588 39 | 746,976 78 | 1,669,611 61 |
| 1861, | 3,402,628 30 | 706,786 14 | 2,695,842 16 |
| 1862, | 4,854,989 67 | 773,398 32 | 4,081,591 35 |
| 1863, | 5,118,501 35 | 770,882 52 | 4,337,618 83 |
| 1864, | 4,346,265 52 | 1,028,909 46 | 4,317,356 06 |
| 1865, | 3,577,465 45 | 1,927,373 59 | 1,650,091 86 |
| 1866, | 4,309,746 12 | 1,434,989 73 | 2,874,756 39 |
| 1867, | 4,050,357 79 | 1,220,192 65 | 2,830,165 14 |
| 1868, | 4,477,546 17 | 1,184,245 04 | 3,293,301 13 |
| 1869, | 4,161,280 10 | 1,278,507 52 | 2,882,772 58 |
| 1870, | 3,107,138 90 | *1,945,635,92 | 1,161,502 98 |
| 1871, | 2,842,549 94 | †2,250,145 62 | 592,404 32 |
| Total tolls, | $106,209,831 82 | $33,785,032 61 | $72,424,799 21 |
| Total expenses, | 33,785,032 61 | | |
| Total surplus revenues, | $72,424,799 21 | | |

* Not including $591,528.37, advanced by the Albany Deposit Banks.
† Including $591,528.37, advanced by the Albany Deposit Banks.

(No. 74.)

# STATEMENT

*Showing the progress of the Canal Debt, the amount paid for interest on loans and to the Canal Commissioners; also the Surplus Revenues in each fiscal year, from* 1836 *to* 1871.

| FISCAL YEAR. | PROGRESS OF THE CANAL DEBT. | | | PAID. | | Surplus revenues in each fiscal year. |
|---|---|---|---|---|---|---|
| | Borrowed. | Redeemed. | Canal Debt at close of each fiscal year. | Interest on loans. | Canal Commissioners on all the canals. | |
| 1836 | $650,000 00 | $651,249 46 | $6,326,806 73 | $328,744 86 | $977,550 82 | $1,130,856 15 |
| 1837 | 810,920 22 | 971,644 93 | 6,166,082 02 | 309,108 82 | 1,206,663 63 | 716,616 17 |
| 1838 | 3,493,061 54 | 351,022 15 | 9,308,120 41 | 446,798 88 | 1,640,070 19 | 843,247 87 |
| 1839 | 1,545,000 00 | 67,300 33 | 10,785,820 08 | 494,817 34 | 3,655,460 09 | 1,151,031 03 |
| 1840 | 3,478,553 90 | 137,726 22 | 14,126,647 76 | 658,921 58 | 5,005,515 75 | 1,031,806 79 |
| 1841 | 2,213,497 57 | 33,770 85 | 16,306,374 48 | 801,683 57 | 3,647,214 53 | 1,475,169 16 |
| 1842 | 3,411,618 00 | 143,600 03 | 19,574,392 45 | 1,006,497 81 | 2,599,116 81 | 1,154,879 50 |
| 1843 | 1,002,709 00 | 184,768 27 | 20,392,324 28 | 1,093,474 98 | 796,230 84 | 1,422,683 52 |
| 1844 | 655,000 00 | 333,418 60 | 20,713,905 58 | 1,116,726 53 | 712,449 53 | 1,751,599 62 |
| 1845 | 245,000 00 | 1,268,884 81 | 19,690,020 77 | 1,104,319 98 | 333,717 68 | 1,637,427 11 |
| 1846 | 390,000 00 | 2,961,780 64 | 17,028,240 13 | 976,552 48 | 182,367 30 | 2,202,861 12 |
| 1847 | ..... | 284,490 54 | 16,743,749 57 | 937,205 64 | 162,276 27 | 2,831,834 52 |
| 1848 | 1,314,819 34 | 1,344,919 00 | 16,713,649 91 | 911,736 05 | 864,767 36 | 2,348,219 52 |
| 1849 | 1,889,024 76 | 2,097,392 00 | 16,505,345 67 | 898,599 05 | 1,513,862 71 | 2,757,102 71 |
| 1850 | 192,295 49 | 482,786 64 | 16,215,144 52 | 868,873 74 | 2,132,370 93 | 2,650,206 49 |
| 1851 | 1,000,000 00 | 573,609 91 | 16,641,534 61 | 835,064 66 | 1,444,706 71 | 2,814,432 91 |
| 1852 | 700,000 00 | 340,265 45 | 17,001,269 16 | 843,795 62 | 1,381,254 63 | 2,130,099 86 |
| 1853 | ..... | ..... | 17,091,269 16 | 960,790 28 | 1,022,005 84 | 2,070,069 59 |
| 1854 | 2,250,000 00 | 479,025 00 | 18,724,244 16 | 926,231 51 | 1,156,024 74 | 1,750,799 01 |
| 1855 | 3,750,000 00 | 2,240,911 00 | 20,281,333 16 | 1,076,573 17 | 2,938,707 23 | 1,650,000 00 |
| 1856 | 6,750,000 00 | 4,489,266 34 | 22,542,066 82 | 1,194,306 62 | 4,011,241 22 | 1,962,500 60 |
| 1857 | 2,750,000 00 | 102,285 00 | 25,189,781 82 | 1,361,736 93 | 2,941,936 58 | 1,589,015 60 |
| 1858 | 2,200,000 00 | 2,929,767 34 | 24,460,014 48 | 1,406,120 80 | 1,942,678 43 | 993,325 97 |
| 1859 | ..... | 152,179 00 | 24,307,844 48 | 1,358,892 32 | 856,129 49 | 962,000 67 |
| 1860 | 3,000 000 00 | 1,100,523 90 | 27,107,321 48 | 1,472,745 78 | 4,264,976 23 | 1,669,611 61 |
| 1861 | 1,200,000 00 | 2,175,551 23 | 26,131,770 25 | 1,505,304 64 | 1,188,758 07 | 2,695,842 16 |
| 1862 | ..... | 2,120,000 00 | 24,011,770 25 | 1,429,859 36 | 1,264,078 51 | 4,081,591 35 |
| 1863 | ..... | 733,300 00 | 23,278,470 25 | 1,381,995 76 | 545,623 28 | 4,347,618 83 |
| 1864 | ..... | 836,700 00 | 22,441,770 25 | 1,321,440 26 | 948,380 67 | 3,317,356 06 |
| 1865 | ..... | 2,844,374 76 | 19,597,395 49 | 1,176,289 89 | 1,019,611 50 | 1,650,091 86 |
| 1866 | ..... | 1,348,935 49 | 18,248,460 00 | 1,081,875 38 | 1,253,784 14 | 2,874,756 39 |

No. 74 — (*Continued*).

| FISCAL YEAR. | PROGRESS OF THE CANAL DEBT. | | | PAID. | | Surplus revenues in each fiscal year. |
|---|---|---|---|---|---|---|
| | Borrowed. | Redeemed. | Canal Debt at close of each fiscal year. | Interest on loans. | Canal Commissioners on all the canals. | |
| 1867, | ..... | $2,515,400 00 | $15,733,060 00 | $969,402 50 | $1,515,611 00 | $2,830,165 14 |
| 1868, | ..... | 1,483,100 00 | 14,249,960 00 | 869,761 25 | 1,103,460 47 | 3,293,301 13 |
| 1869, | ..... | 204,900 00 | 12,564,780 00 | 802,210 25 | 1,398,640 57 | 2,882,772 58 |
| 1870, | ..... | 598,200 00 | 11,966,580 00 | 724,752 00 | 2,864,018 16 | 1,161,502 98 |
| 1871, | ..... | ..... | 11,966,580 00 | 706,921 00 | 1,863,849 62 | 592,404 32 |
| Deduct the debt in 1835, | | | 6,328,056 19 | | | |
| Increase of debt, 1836 to 1871, | | | $5,638,523 81 | | | |
| Paid interest, 1836 to 1871, | | | | $35,360,130 84 | | |
| Paid Canal Commissioners, 1836 to 1871, | | | | | $61,356,131 23 | |
| Amount of surplus revenues, 1836 to 1871, | | | | | | $72,424,799 21 |

( No. 75 )

# STATEMENT

*Showing the annual receipts, payments, remainders and deficiencies under article 7 of the Constitution, commencing 1st October, 1847, to 30th September, 1871.*

| FISCAL YEAR. | Revenue, including interest on deposits. | CHARGES. | | | |
|---|---|---|---|---|---|
| | | Cost of repairs and collection of tolls. | To pay inte'st and principal of debt, and for support of government. | Total charges. | Remainder for completion of canals. |
| 1847, | $3,473,484 60 | $641,650 08 | $1,850,000 00 | $2,491,650 08 | $981,834 52 |
| 1848, | 3,204,070 16 | 855,850 64 | 1,850,000 00 | 2,705,850 64 | 498,219 52 |
| 1849, | 3,442,906 62 | 685,803 91 | 1,850,000 00 | 2,535,803 91 | 907,102 71 |
| 1850, | 3,486,172 30 | 835,965 81 | 1,850,000 00 | 2,685,965 81 | 800,206 49 |
| 1851, | 3,722,163 11 | 907,730 20 | 1,850,000 00 | 2,757,730 20 | 964,432 91 |
| 1852, | 3,179,145 78 | 1,049,045 92 | 1,850,000 00 | 2,899,045 92 | 280,099 86 |
| 1853, | 3,168,546 51 | 1,098,476 92 | 1,850,000 00 | 2,948,476 92 | 220,069 59 |
| 1854, | 2.988,665 21 | 1,237,866 20 | 1,944,861 62 | 3,182,727 82 | *194,062 61 |
| 1855, | 2,639,792 12 | 989,792 12 | 2,264,396 13 | 3,254,188 25 | *614,396 13 |
| 1856, | 2,749,133 40 | 786,633 40 | 3,023,702 69 | 3,810,336 09 | *1,061,202 69 |
| 1857, | 2.559,469 06 | 970,453 46 | 3,349,315 88 | 4,319,769 34 | *1,760,300 28 |
| 1858, | 2,072,204 88 | 1,078,878 91 | 3,366,242 66 | 4,445,121 57 | *2,372,916 69 |
| 1859, | 1,859,879 63 | 897,878 96 | 3,366,242 66 | 4,264,121 62 | *2,404,241 99 |
| 1860, | 2,416,588 39 | 746,976 78 | 3,366,242 66 | 4,113,219 44 | *1,696,631 05 |
| 1861, | 3,402,628 30 | 706,786 14 | 3,366,242 66 | 4,073,028 80 | *670,400 50 |
| 1862, | 4,854,989 67 | 773,398 32 | 3,366,242 66 | 4,139,640 98 | 715,348 69 |
| 1863, | 5,118,501 35 | 770,882 52 | 3,366,242 66 | 4,137,125 18 | 981,376 17 |
| 1864, | 4,346,265 52 | 1,028,909 46 | 3,366,242 66 | 4,395,152 12 | *48,886 60 |
| 1865, | 3,577,465 45 | 1,927,373 59 | 3,366,242 66 | 5,293,616 25 | *1,716,150 80 |
| 1866, | 4,309,746 12 | 1,434,989 73 | 3,366,242 66 | 4,801,232 39 | *491,486 27 |
| 1867, | 4,050,357 79 | 1,220,192 65 | 3,366,242 66 | 4,586,435 31 | *536,077 52 |

No. 75 — (*Continued*).

| FISCAL YEAR | Revenue, including interest on deposits. | CHARGES. Cost of repairs and collection of tolls. | To pay inte'st and principal of debt, and for support of government. | Total charges. | Remainder for completion of canals. |
|---|---|---|---|---|---|
| 1868, | $4,477,546 17 | $1,184,245 04 | $3,366,242 66 | $4,550,487 70 | *$72,941 53 |
| 1869, | 4,161,280 10 | 1,278,507 52 | 2,816,242 66 | 4,094,750 18 | 66,529 92 |
| 1870, | 3,107,138 90 | †1,945,635 92 | 2,816,242 66 | 4,761,878 58 | *1,654,739 68 |
| 1871, | 2,842,549 94 | ‡2,250,145 62 | 2,816,242 66 | 5,066,388 28 | *2,222,838 34 |
| Revenue, | $85,210,691 08 | | | | |
| Cost of repairs and collection, | | $27,304,069 82 | | | |
| To pay interest and principal of debt, etc., | | | $69,009,673 56 | | |
| Total charges, | | | | $96,313,743 38 | |
| Remainder, as above, for completion of the canals, during the years 1847 to 1853, 1862, 1863 and 1869, | | | | $6,415,220 38 | |
| Deficiencies, as above, during the years 1854 to 1871, | | | | 17,518,272 68 | |
| Balance of "remainder" for completion during 4 years, | | | | | ..... |

* Deficiencies. † Not including $591,528.37 advanced by the Albany Deposit Banks. ‡ Including $591,528.37 advanced by the Albany Deposit Banks

(No. 76.)

*Names of Clerks employed by the Auditor of the Canal Department, the sums paid to each, and the length of time each was employed, from the 1st of October, 1870, to the 30th of September, 1871.*

| NAMES. | Temporary allowance by the Legislature. | Annual salaries. | Time employed. Months. | Paid for extra services. | Paid on salaries. |
|---|---|---|---|---|---|
| William McGourkey, deputy | $475 00 | $1,900 00 | 12 | ..... | $1,900 00 |
| Henry C. Southwick, Jr. | 462 50 | 1,850 00 | 12 | ..... | 1,850 00 |
| Edmund Savage | 425 00 | 1,700 00 | 12 | ..... | 1,700 00 |
| George H. Goodwin | 210 00 | 1,500 00 | $4\frac{4}{5}$ | ..... | 600 00 |
| Samuel Gillingham * | 347 09 | 1,400 00 | $8\frac{1}{2}$ | ..... | 991 66 |
| Eugene C. Johnson* | 178 21 | 1,300 00 | $4\frac{21}{30}$ | ..... | 509 17 |
| Orrin A. Fuller | 362 24 | 1,350 00 | $9\frac{1}{5}$ | $150 00 | 1,034 97 |
| Jerome Smith | 151 67 | 1,300 00 | 4 | ..... | 433 33 |
| George H. Birchall | 350 00 | 1,000 00 | 12 | 150 00 | 1,000 00 |
| John S. Wolfe | 175 00 | 500 00 | 12 | ..... | 500 00 |
| | $3,136 71 | ..... | .... | $300 00 | $10,519 13 |

* Paid for extra services in examining clearances for 1868, 1869 and 1870.

(No. 77.)

*STATEMENT showing the payments during the year ending September 30th, 1871, to the Canal Appraisers and their clerks, for services, travel, postage, stationery, etc.*

| NAMES. | Services. | Travel. | Miscellaneous. | Extra allowances by the Legislature. | Total. |
|---|---|---|---|---|---|
| Samuel North | $2,000 00 | $499 98 | $618 15 | $3,000 00 | $6,118 13 |
| George C. Greene | 2,000 00 | 498 78 | 4 02 | 3,000 00 | 5,502 80 |
| Jesse Gay | 2,000 00 | 499 98 | 6 49 | 3,000 00 | 5,506 47 |
| Cornelius Glen, chief clerk of board | 2,687 50 | ..... | ..... | 500 00 | 3,187 50 |
| S. Cady Murray, assistant clerk | 2,521 19 | ..... | ..... | 500 00 | 3,021 19 |
| Royal Corbin, clerk | 1,350 00 | ..... | ..... | ..... | 1,350 00 |
| | $12,558 69 | $1,498 74 | $628 66 | $10,000 00 | $24,686 09 |

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ENT

$115,000 *expended in* pairs, *and the amounts*
*irs (exclusive of their*

| 1861. | 1862. | 1870. | 1871. |
|---|---|---|---|
| $6,638 15 | $10,310 232 | $2,887 99 | |
| 10,790 74 | 9,664 866 | 29,317 29 | $1,976 98 |
| 7,958 17 | 11,471 165 | 45,072 56 | 60,734 39 |
| 7,209 06 | 6,123 567 | 21,228 00 | 78,603 93 |
| 2,880 32 | 4,527 899 | 45,632 54 | 65,241 16 |
| ..... | ..... | ..... | 56,304 09 |
| 688 41 | 1,501 709 | 12,338 41 | ..... |
| 1,961 76 | 998 366 | 1,799 32 | 19,489 20 |
| 5,732 45 | 1,331 923 | 16,366 81 | 1,333 34 |
| 363 86 | 458 365 | 666 64 | 47,127 82 |
| 500 00 | 458 364 | 999 96 | 1,333 32 |
| 363 32 | 2,456 800 | 15,654 00 | 1,166 62 |
| ..... | .....32 | 20,250 00 | 37,240 88 |
| 12,213 16 | 5,053 813 | 666 64 | 60,928 25 |
| ..... | ..... | ..... | 1,083 29 |
| | | | ..... |
| $57,298 40 | $54,356 901 | $212,880 16 | |
| 7,389 32 | 16,376 067 | 48,650 06 | $432,563 33 |
| 2,344 70 | 2,160 260 | 37,122 11 | 55,504 08 |
| 1,720 01 | 3,210 138 | 18,995 14 | 70,286 90 |
| | | | 43,390 10 |
| $68,752 43 | $76,103 266 | $317,647 47 | |
| 3,776 53 | 10,535 434 | 1,904 38 | $601,744 41 |
| 17,010 38 | 14,799 963 | 10,666 64 | 4,289 93 |
| 6,510 67 | 7,628 917 | 826 69 | 39,374 37 |
| ..... | 2,468 932 | 599 99 | 2,912 31 |
| 1,210 98 | 1,215 998 | 17,373 50 | 63,931 28 |
| 6,173 28 | 2,183 500 | 49,912 25 | 87,776 30 |

(No. 78.)

STATEMENT

*Of the amounts advanced to the Superintendents of Repairs on the canals in each fiscal year, from* 1854 *to* 1871, *including* $115,000 *expended in* 1854, *under chapter* 16, *Laws of* 1854. *The amounts paid to Contractors for Repairs, and the amounts expended by Canal Commissioners for ordinary repairs (exclusive of their salaries) during the same period.*

| Sections. | CANALS. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. | 1870. | 1871. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Erie canal | $119,115 36 | $59,840 65 | $4,829 24 | $3,471 18 | $80 38 | $43,672 20 | ..... | $6,638 15 | $10,310 23 | $10,960 58 | $9,907 78 | $5,421 23 | $18,461 94 | $574 96 | ..... | $1,458 32 | $2,887 99 | $1,976 98 |
| 2 | do | 44,805 10 | 64,104 51 | 24,751 90 | 18,999 18 | 29,402 75 | 24,810 93 | $32,400 74 | 10,790 74 | 9,664 84 | 6,991 32 | 10,783 33 | 113,566 17 | 116,000 67 | 13,697 48 | ..... | 1,791 66 | 29,317 29 | 60,731 39 |
| 3 | do | 71,334 63 | 68,431 26 | 48,726 91 | 24,499 43 | 26,453 35 | 34,122 70 | 3,542 26 | 7,958 17 | 11,471 14 | 14,202 85 | 94,897 96 | 23,728 31 | 12,433 45 | 6,681 69 | ..... | 1,291 65 | 45,072 56 | 78,603 99 |
| 4 | do | 48,050 87 | 45,679 51 | 43,833 49 | 37,052 63 | 33,037 67 | 26,852 66 | 1,779 19 | 7,209 06 | 6,123 57 | 6,755 75 | 14,780 06 | 30,695 99 | 6,041 34 | 4,542 23 | ..... | 1,291 67 | 21,228 06 | 65,241 16 |
| 5 | do | 28,509 07 | 30,307 93 | 40,124 57 | 29,416 49 | 11,599 25 | 128 51 | ..... | 2,880 32 | 4,527 83 | 5,094 56 | 8,307 22 | 14,104 71 | 6,455 14 | 1,931 71 | ..... | 1,124 99 | 45,652 54 | 56,304 09 |
| 6 | do | 45,254 02 | 27,688 01 | 26,403 08 | 14,419 07 | 17,220 81 | 22,101 22 | 11,031 44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 7 | do | 14,186 35 | 9,296 77 | 7,617 22 | 9,202 73 | 10,555 83 | 3,574 04 | 688 41 | 1,501 71 | 150 00 | 1,125 60 | 2,865 57 | 455 09 | 204 74 | ..... | ..... | 1,355 09 | 12,338 41 | ..... |
| 8 | do | 27,213 90 | 2,328 67 | 2,123 92 | 373 08 | 1,862 93 | 3,797 71 | Estimated 500 00 | 1,961 76 | 998 36 | 1,836 00 | 4,310 24 | 17,805 40 | 11,479 16 | 2,868 65 | ..... | 1,166 66 | 1,799 32 | 19,489 20 |
| 9 | do | 39,980 07 | 18,108 79 | 16,646 65 | 28,040 51 | 23,758 80 | 5,575 53 | 564 50 | 5,732 45 | 1,331 93 | 150 00 | 257 53 | 1,363 01 | 1,411 86 | 1,524 46 | ..... | 4,492 23 | 16,366 81 | 1,333 34 |
| 10 | do | 31,068 12 | 21,148 82 | 10,547 21 | 26,922 44 | 28,726 57 | 17,183 96 | 663 75 | 363 86 | 458 32 | 3,565 16 | 1,287 96 | 971 16 | 686 19 | 533 32 | ..... | 1,166 65 | 666 64 | 47,127 82 |
| 11 | do | 11,521 83 | 32,176 77 | 40,586 87 | 56,483 85 | 43,734 24 | 51,981 92 | 3,364 26 | 500 00 | 458 33 | 3,626 34 | 702 63 | 4,719 48 | 8,649 99 | 2,556 80 | ..... | 1,166 64 | 999 96 | 1,333 32 |
| 12 | do | 46,792 35 | 35,555 48 | 46,340 98 | 62,548 57 | 24,505 21 | 10,792 71 | 8 65 | 363 32 | 2,456 84 | 2,310 82 | 772 00 | 4,115 84 | 433 43 | 300 00 | ..... | 700 00 | 15,654 00 | 1,166 62 |
| 13 | do | 37,298 88 | 32,453 42 | 29,111 34 | 37,000 11 | 9,200 00 | 34,673 97 | 550 14 | ..... | ..... | ..... | ..... | 5,047 59 | 3,898 66 | 882 93 | ..... | 758 32 | 20,250 00 | 37,240 88 |
| 13 & 14 | do | ..... | ..... | ..... | ..... | 42,060 75 | 22,307 58 | 12,351 04 | 12,213 16 | 5,053 80 | 3,529 41 | 11,810 54 | 62,329 05 | 46,137 33 | 634 39 | $166 02 | 1,373 13 | 666 64 | 60,928 25 |
| | do by resident engineers | ..... | ..... | ..... | ..... | ..... | ..... | 3,440 08 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,083 29 |
| | Total on the Erie canal | $621,496 25 | $447,118 59 | $352,693 48 | $348,489 27 | $302,198 64 | $301,575 64 | $81,723 48 | $57,298 40 | $54,356 90 | $59,172 97 | $158,942 85 | $286,733 51 | $232,544 25 | $36,933 36 | $166 02 | $19,137 01 | $212,880 16 | ..... |
| 1 | Champlain canal | 39,385 79 | 49,226 91 | 17,220 35 | 58,931 11 | 42,334 13 | 29,955 38 | 42,488 16 | 7,389 32 | 16,376 04 | 15,362 23 | 7,150 47 | 9,555 45 | 1,614 06 | 1,317 22 | ..... | 31,344 67 | 48,650 06 | $432,563 33 |
| 2 | do | 24,718 50 | 24,977 07 | 8,221 85 | 995 21 | 10,240 53 | 15,282 41 | 898 06 | 2,344 70 | 2,160 22 | 3,018 93 | 14,366 47 | 6,892 61 | 1,484 89 | 1,680 17 | ..... | 1,515 60 | 37,122 11 | 55,501 08 |
| 3 | do | 19,706 77 | 19,385 22 | 9,082 23 | 1,338 32 | 14,400 63 | 10,447 94 | 3,688 37 | 1,720 01 | 3,210 11 | 11,503 88 | 3,872 29 | 3,046 29 | 275 00 | 116 64 | ..... | 2,116 38 | 18,995 14 | 70,286 99 |
| | Total on Erie and Champlain canals | $705,307 31 | $540,707 75 | $387,217 91 | $408,853 91 | $369,173 98 | $357,261 37 | $128,798 07 | $68,752 43 | $76,103 27 | $89,058 01 | $184,341 08 | $306,227 86 | $235,918 20 | $40,047 39 | $166 02 | $54,113 66 | $317,647 47 | 43,390 10 |
| | Oswego canal | 67,247 64 | 64,635 15 | 59,529 15 | 83,267 97 | 97,565 51 | 44,427 25 | 5,264 93 | 3,776 53 | 10,535 40 | 1,899 18 | 5,761 16 | 209,759 45 | 8,830 30 | 6,230 02 | 125 00 | 1,857 34 | 1,904 38 | $601,744 41 |
| | Cayuga and Seneca canal | 16,854 52 | 10,557 72 | 10,082 85 | 12,688 50 | 30,872 03 | 5,278 55 | 131 24 | 17,010 38 | 14,799 98 | 3,159 49 | 2,668 86 | 373 03 | 517 87 | 382 81 | ..... | 1,291 63 | 10,666 64 | 4,289 93 |
| | Chemung canal | 33,099 05 | 23,094 86 | 4,652 49 | 66,101 23 | 161,702 33 | 18,786 02 | 361 67 | 6,510 67 | 7,628 96 | 53,324 59 | 12,859 91 | 16,713 24 | 3,724 34 | 2,701 79 | ..... | 1,431 17 | 826 69 | 39,374 37 |
| | Crooked Lake canal | 5,122 08 | 5,320 39 | 694 16 | 199 98 | ..... | ..... | 125 00 | ..... | 2,468 94 | ..... | ..... | ..... | 273 00 | 406 14 | ..... | 933 32 | 599 99 | 2,912 31 |
| | Chenango canal | 49,476 20 | 44,250 04 | 10,301 24 | 2,276 18 | 23,785 00 | 3,450 19 | 1,893 95 | 1,210 98 | 1,215 93 | 1,620 78 | 3,210 87 | 4,039 74 | 12,333 31 | 2,363 48 | ..... | 3,249 98 | 17,373 56 | 63,931 28 |
| | Black River canal | 30,500 35 | 35,671 38 | 10,855 81 | 1,613 45 | 3,062 48 | 1,843 98 | 366 66 | 6,173 28 | 2,183 53 | 3,491 19 | 6,142 25 | 9,582 68 | 13,745 68 | 2,538 30 | ..... | 5,168 00 | 49,913 33 | 87,776 30 |
| | Genesee Valley canal | 44,759 69 | 51,417 00 | 22,192 85 | 41,032 14 | 49,136 00 | 33,372 43 | 12,261 70 | 1,707 64 | 16,261 06 | 3,413 06 | 18,499 68 | 97,346 45 | 14,822 51 | 15,399 26 | ..... | 13,806 27 | 109,239 54 | 98,494 22 |
| | Oneida Lake canal | 11,802 83 | 6,235 63 | 107 91 | ..... | ..... | ..... | ..... | 400 00 | 400 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 202,127 71 |
| | Baldwinsville canal | 2,372 29 | 2,372 66 | 422 46 | 455 43 | 2,381 62 | 413 30 | ..... | 1,069 00 | 174 67 | 72 33 | 631 80 | 499 00 | 2,646 68 | 93 32 | ..... | ..... | ..... | ..... |
| | Oneida River Improvement | 2,876 47 | 4,518 79 | 2,841 73 | 3,590 51 | 2,797 27 | 1,078 83 | ..... | ..... | 447 66 | ..... | ..... | 1,097 09 | ..... | ..... | ..... | ..... | ..... | ..... |
| | *Total by superintendents* | $969,398 43 | $788,781 41 | $508,538 56 | $620,079 30 | $740,477 21 | $465,911 92 | $149,158 22 | $106,611 51 | $131,919 64 | $156,038 63 | $234,115 71 | $645,638 84 | $292,811 89 | $70,162 51 | $291 02 | $81,851 37 | $508,171 58 | $1,100,650 53 |
| 1 | Erie canal, by contractors | ..... | $11,994 47 | $38,172 94 | $42,999 96 | $46,549 96 | $58,328 44 | $37,267 17 | $35,928 64 | $29,240 00 | $32,784 00 | $45,733 14 | $98,060 88 | $44,494 45 | $137,945 22 | $90,292 00 | $120,905 01 | $118,679 51 | $169,702 83 |
| 2 | do do | ..... | ..... | ..... | ..... | ..... | 1,198 96 | 4,302 08 | 9,470 78 | 9,370 78 | 11,478 72 | 18,135 91 | 23,067 58 | 27,761 49 | 23,687 58 | 32,450 12 | 26,437 45 | 46,757 07 | 18,636 93 |
| 3 | do do | ..... | ..... | ..... | ..... | ..... | 1,460 40 | 6,899 05 | 7,418 00 | 7,871 27 | 7,677 40 | 280 35 | 13,346 40 | 16,780 00 | 16,780 00 | 30,795 05 | 27,000 00 | 90,892 59 | ..... |
| 4 | do do | ..... | ..... | ..... | ..... | ..... | 937 36 | 8,330 06 | 8,774 36 | 9,564 44 | 11,679 99 | 18,810 52 | 38,710 87 | 23,406 75 | 26,087 65 | 24,149 68 | 36,125 24 | 14,882 85 | ..... |
| 5 | do do | ..... | ..... | ..... | ..... | ..... | 356 96 | 6,205 00 | 7,563 63 | 6,237 41 | 5,746 45 | 15,567 14 | 21,217 21 | 11,582 94 | 17,469 75 | 21,002 22 | 14,237 12 | 8,180 98 | ..... |
| 7 | do do | ..... | ..... | ..... | ..... | ..... | 609 56 | 2,032 59 | 2,364 86 | 7,934 73 | 6,478 27 | 4,457 15 | 13,647 74 | 6,403 80 | 4,989 92 | 5,516 30 | 5,544 34 | 12,125 98 | 5,883 51 |
| 8 | do do | 4,878 76 | 5,725 35 | 6,639 81 | 7,879 88 | 7,369 98 | 9,354 16 | 7,000 02 | 6,999 96 | 12,698 38 | 10,403 48 | 8,909 10 | 6,500 00 | 6,500 00 | 6,500 00 | 8,403 49 | 8,926 96 | 12,797 82 | 6,049 30 |
| 9 | do do | ..... | ..... | ..... | ..... | ..... | 1,905 75 | 5,071 55 | 4,424 96 | 6,999 96 | 7,162 11 | 20,282 47 | 14,917 10 | 12,275 72 | 8,308 76 | 8,817 16 | 6,900 00 | 19,176 74 | 19,275 00 |
| 10 | do do | ..... | ..... | ..... | ..... | ..... | ..... | 4,011 54 | 10,345 95 | 6,510 97 | 20,771 42 | 16,560 08 | 28,829 35 | 19,890 54 | 31,470 95 | 34,000 00 | 34,000 00 | 26,774 97 | 6,629 95 |
| 11 | do do | ..... | ..... | ..... | ..... | ..... | ..... | 7,061 69 | 9,382 43 | 10,738 26 | 16,891 86 | 18,408 33 | 82,138 43 | 60,327 64 | 27,303 32 | 40,418 75 | 46,581 25 | 34,256 25 | 36,408 33 |
| 12 | do do | ..... | ..... | ..... | ..... | ..... | 493 57 | 2,550 50 | 3,977 02 | 6,147 71 | 8,130 00 | 9,582 90 | 13,544 71 | 14,691 01 | 11,733 15 | 10,559 56 | 10,220 20 | 4,417 00 | 88,500 00 |
| 13 | do do | ..... | ..... | ..... | ..... | ..... | 882 60 | 5,104 30 | 5,625 62 | 8,985 07 | 10,666 44 | 13,872 75 | 24,057 78 | 20,302 24 | 15,175 47 | 17,734 53 | 15,277 44 | 17,329 10 | ..... |
| 14 | do do | ..... | ..... | ..... | ..... | ..... | ..... | 2,818 92 | 12,178 82 | 15,914 88 | 22,699 33 | 19,500 67 | 41,392 39 | 28,987 83 | 24,970 02 | 38,685 69 | 80,604 88 | 38,515 55 | ..... |
| 1 | Champlain canal do | ..... | 2,341 29 | ..... | ..... | 4,750 28 | 7,582 62 | 5,080 00 | 4,606 96 | 11,955 30 | 16,014 61 | 35,487 40 | 31,269 49 | 25,800 00 | 32,135 87 | 18,987 50 | 70,970 56 | 51,333 43 | ..... |
| 2 | do do | ..... | 3,952 56 | 9,132 16 | 6,448 65 | 1,211 20 | 2,200 74 | 9,118 47 | 8,506 63 | 8,477 03 | 9,945 61 | 22,555 87 | 19,658 64 | 19,400 00 | 30,875 25 | 54,531 18 | 16,392 50 | 27,172 24 | ..... |
| 3 | do do | ..... | 3,506 40 | 7,207 32 | 6,103 12 | 1,292 04 | 3,286 45 | 3,166 29 | 4,472 15 | 2,291 32 | 7,012 50 | 15,506 25 | 12,000 00 | 16,008 32 | 17,750 00 | 17,749 98 | 12,868 74 | ..... | ..... |
| | Oswego canal | ..... | ..... | ..... | ..... | ..... | 5,741 08 | 14,456 55 | 23,192 76 | 19,186 96 | 27,875 71 | 23,685 80 | 33,526 93 | 42,259 24 | 40,344 43 | 88,591 02 | 40,457 46 | 36,923 66 | ..... |
| | ~~Cayuga and Seneca canal~~ | ..... | ..... | ..... | ..... | ..... | 1,113 25 | 3,360 43 | 2,473 08 | 4,258 70 | 8,457 48 | 10,527 92 | 19,591 65 | 14,029 44 | 18,465 00 | 20,000 00 | 20,000 00 | 12,601 47 | 50,221 99 |
| | Chemung canal, by contractors | ..... | ..... | 11,964 48 | 9,543 45 | ..... | 4,660 46 | 12,031 48 | 18,788 48 | 17,649 07 | 19,287 83 | 23,601 19 | 71,490 25 | 31,357 24 | 51,475 04 | 44,932 18 | 36,000 00 | 28,250 00 | ..... |
| | Crooked Lake canal, do | ..... | ..... | 3,204 08 | 4,447 37 | 9,803 46 | 4,849 53 | 5,033 63 | 6,017 13 | 4,692 38 | 5,141 76 | 19,995 78 | 36,200 58 | 6,770 69 | 6,990 00 | 7,216 00 | 6,581 94 | 6,103 12 | 87,040 86 |
| | Chenango canal, do | ..... | ..... | 11,234 30 | 25,806 50 | 20,700 00 | 23,611 54 | 25,175 90 | 21,431 65 | 27,823 68 | 30,266 31 | 37,647 49 | 96,443 14 | 75,645 87 | 51,396 93 | 64,053 08 | 44,577 38 | 56,112 71 | 8,298 96 |
| | Black River canal, do | ..... | ..... | 6,165 28 | 12,601 25 | 15,406 88 | 22,539 65 | 21,834 91 | 17,261 63 | 18,802 06 | 15,582 89 | 15,892 17 | 40,227 08 | 32,697 74 | 40,279 70 | 34,664 23 | 62,266 34 | 125,183 82 | 29,376 00 |
| | Genesee Valley canal, do | ..... | ..... | 9,845 43 | 19,666 87 | 33,468 81 | 16,380 98 | 29,197 68 | 27,169 05 | 48,279 94 | 47,418 02 | 120,567 73 | 154,798 82 | 85,869 57 | 68,449 32 | 72,085 66 | 51,646 23 | 26,638 50 | 11,079 48 |
| | Oneida Lake canal, do | ..... | ..... | 2,481 71 | 3,919 00 | 4,103 94 | 3,975 00 | 4,058 67 | 2,841 61 | 2,375 01 | 2,375 00 | 2,543 23 | 2,365 50 | 524 47 | ..... | ..... | ..... | ..... | 10,189 52 |
| | *Total by contractors* | ..... | $16,873 23 | $98,393 82 | $141,963 69 | $150,464 70 | $163,668 59 | $229,127 67 | $260,995 33 | $296,168 98 | $353,993 02 | $498,938 41 | $950,033 01 | $685,446 80 | $691,033 52 | $775,118 74 | $785,560 90 | $838,091 13 | ..... |
| | *Expended by Canal Commissioners for ordinary repairs* | $157,241 37 | $60,156 59 | $56,923 78 | $80,254 86 | $49,863 27 | $149,358 23 | $225,753 23 | $219,040 63 | $230,318 16 | $143,347 09 | $160,069 98 | $180,412 14 | $249,265 20 | $307,681 88 | $235,647 18 | $261,076 10 | $415,455 37 | $626,398 33 |
| | TOTAL ON ALL THE CANALS | $1,126,639 80 | $865,811 23 | $663,856 16 | $842,297 85 | $940,805 18 | $778,938 74 | $604,039 12 | $586,647 47 | $658,406 78 | $653,378 74 | $893,124 10 | $1,776,083 99 | $1,227,523 89 | $1,068,877 91 | $1,011,056 94 | $1,128,488 37 | $1,761,718 08 | $2,052,195 82 |

(No. 79.)

*STATEMENT of Receipts and Payments on account of the enlargement of the Erie canal, in each fiscal year, up to 30th September,* 1871.

| YEAR. | Loans. | Premi'ms on loans. | Discount on loans. | RECEIVED. Avails of loans. | Temporary loans. | Surplus tolls of Erie canal. | Fund for complet'n of the canals, and for paym'nt of the floating debt. | Constitutional Sinking Fund. | Interest on deposits & investm'ts. | Miscellaneous. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1835, | ..... | ..... | ..... | ..... | ..... | $31,810 70 | ..... | ..... | ..... | ..... | $31,810 70 |
| 1836, | ..... | ..... | ..... | ..... | ..... | 53,218 83 | ..... | ..... | ..... | ..... | 53,218 83 |
| 1837, | ..... | ..... | ..... | ..... | ..... | 636,312 17 | ..... | ..... | ..... | ..... | 636,312 17 |
| 1838, | $1,000,000 00 | $5,650 00 | ..... | $1,005,650 00 | ..... | 174,694 90 | ..... | ..... | ..... | ..... | 1,179,744 90 |
| 1839, | 1,500,000 00 | ..... | ..... | 1,500,000 00 | ..... | 803,178 22 | ..... | ..... | $7,343 20 | $7,312 75 | 2,317,834 17 |
| 1840, | 3,000,000 00 | ..... | $100,000 00 | 2,900,000 00 | $200,000 00 | 369,170 76 | ..... | ..... | 4,700 06 | 3,010 81 | 3,476,911 63 |
| 1841, | 1,441,119 29 | ..... | 125,519 29 | 1,315,600 00 | 1,200,000 00 | 526,262 12 | ..... | ..... | 14,505 28 | 3,523 75 | 3,059,891 15 |
| 1842, | 1,838,082 95 | ..... | ..... | 1,838,082 95 | ..... | 1,348,995 69 | ..... | ..... | ..... | 2,436 36 | 3,189,515 00 |
| 1843, | 569,797 76 | 16,775 00 | ..... | 586,572 76 | ..... | 507,295 17 | ..... | ..... | ..... | 1,041 23 | 1,094,909 16 |
| 1844, | 438,000 00 | 5,388 50 | ..... | 443,388 50 | ..... | 524,159 82 | ..... | ..... | ..... | 2,254 62 | 969,892 94 |
| 1845, | 152,000 00 | 897 00 | ..... | 152,897 00 | ..... | 541,727 24 | ..... | ..... | ..... | 1,180 05 | 695,804 29 |
| 1846, | 189,000 00 | 14,988 80 | ..... | 203,988 80 | ..... | 550,920 50 | ..... | ..... | ..... | 1,047 87 | 755,957 17 |
| 1847, | ..... | ..... | ..... | ..... | ..... | 182,379 63 | $367,620 37 | $559,110 93 | ..... | 1,467 47 | 1,110,578 40 |
| 1848, | ..... | ..... | ..... | ..... | ..... | ..... | 1,255,946 80 | 1,868,492 35 | 17,829 74 | 6,453 12 | 3,148,722 01 |
| 1849, | ..... | ..... | ..... | ..... | ..... | ..... | 977,860 10 | 1,033,093 51 | 12,155 32 | 38,774 87 | 2,061,883 80 |
| 1850, | ..... | ..... | ..... | ..... | ..... | ..... | 574,854 56 | 541,637 31 | 12,580 03 | 5,940 66 | 1,135,012 56 |
| 1851, | ..... | ..... | ..... | ..... | ..... | ..... | 510,364 14 | 438,254 98 | 12,257 24 | 7,315 60 | 968,191 96 |
| 1852, | ..... | ..... | ..... | ..... | ..... | ..... | 939,831 89 | 419,488 02 | 8,242 32 | 16,869 25 | 1,384,431 48 |
| 1853, | ..... | ..... | ..... | ..... | ..... | ..... | 682,279 44 | 419,488 02 | 8,242 32 | 155,136 92 | 1,265,146 70 |
| 1854, | ..... | ..... | ..... | ..... | ..... | ..... | 2,004,001 83 | 880,327 22 | 8,422 32 | 123,979 39 | 3,066,730 76 |
| 1855, | ..... | ..... | ..... | ..... | ..... | ..... | 1,826,611 56 | 438,515 39 | 37,522 32 | 112,782 48 | 2,414,431 75 |
| 1856, | ..... | ..... | ..... | ..... | ..... | ..... | 1,808,081 88 | 4,125,792 39 | 31,104 81 | 34,179 48 | 5,998,158 56 |
| 1857, | ..... | ..... | ..... | ..... | ..... | ..... | 1,803,000 00 | 291,774 02 | 20,417 53 | 361,614 13 | 2,476,801 68 |
| 1858, | 200,000 00 | 1,825 00 | ..... | 201,825 00 | ..... | ..... | 1,810,599 99 | 2,280,797 32 | ..... | 19,991 14 | 4,313,213 45 |
| 1859, | ..... | ..... | ..... | ..... | ..... | ..... | 511,557 83 | 207,935 10 | ..... | 19,671 40 | 739,164 33 |
| 1860, | ..... | ..... | ..... | ..... | ..... | ..... | 2,150,563 59 | 649,159 69 | ..... | 7,779 27 | 2,809,502 55 |
| 1861, | ..... | ..... | ..... | ..... | ..... | ..... | 398,933 47 | 83,417 00 | ..... | 11,991 67 | 494,342 14 |
| 1862, | ..... | ..... | ..... | ..... | ..... | ..... | 889,305 91 | 617,895 27 | ..... | 13,411 20 | 1,520,612 38 |
| 1863, | ..... | ..... | ..... | ..... | ..... | ..... | 191,224 92 | 14,365 00 | ..... | 12,541 57 | 218,131 49 |
| 1864, | ..... | ..... | ..... | ..... | ..... | ..... | 433,188 62 | 152,205 00 | ..... | 16,590 28 | 602,983 90 |
| 1865, | ..... | ..... | ..... | ..... | ..... | ..... | 307,152 98 | 82,300 00 | ..... | 15,330 30 | 404,783 28 |
| 1866, | ..... | ..... | ..... | ..... | ..... | ..... | 189,885 41 | 2,000 00 | ..... | ..... | 191,885 41 |
| 1867, | ..... | ..... | ..... | ..... | ..... | ..... | 58,458 13 | ..... | ..... | ..... | 58,458 13 |
| 1868, | ..... | ..... | ..... | ..... | ..... | ..... | 117,428 11 | ..... | ..... | ..... | 117,428 11 |
| 1869, | ..... | ..... | ..... | ..... | ..... | ..... | 16,339 49 | ..... | ..... | ..... | 16,339 49 |
| 1870, | ..... | ..... | ..... | ..... | ..... | ..... | 194,725 55 | ..... | ..... | ..... | 194,725 55 |
| 1871, | ..... | ..... | ..... | ..... | ..... | ..... | 20,133 98 | ..... | ..... | ..... | 20,133 98 |
| Total, | $10,328,000 00 | $44,924 30 | $225,519 29 | $10,147,405 01 | $1,400,000 00 | $6,250,125 75 | $20,041,953 55 | $15,107,047 52 | $195,322 49 | $992,657 64 | $54,131,511 96 |

## No. 79—(*Continued.*)

## ERIE CANAL ENLARGEMENT.

| YEAR. | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Loans. | Temporary loans. | Interest on loans. | Interest on canal revenue certificates. | Canal Commission'rs. | Prem. on purchase & investment of stock. | Miscellaneous. | Total. |
| 1835, | ..... | ..... | ..... | ..... | $31,810 70 | ..... | ..... | $31,810 70 |
| 1836, | ..... | ..... | ..... | ..... | 53,218 83 | ..... | ..... | 53,218 83 |
| 1837, | ..... | ..... | ..... | ..... | 636,312 17 | ..... | ..... | 636,312 17 |
| 1838, | ..... | ..... | $16,372 93 | ..... | 1,163,196 12 | ..... | $175 85 | 1,179,744 90 |
| 1839, | ..... | ..... | 77,832 20 | ..... | 2,234,839 93 | ..... | 5,162 04 | 2,317,834 17 |
| 1840, | ..... | ..... | 231,190 72 | ..... | 3,232,370 66 | ..... | 13,350 25 | 3,476,911 63 |
| 1841, | ..... | $200,000 00 | 335,473 36 | ..... | 2,518,309 72 | ..... | 6,108 07 | 3,059,891 15 |
| 1842, | ..... | 1,200,000 00 | 459,985 03 | ..... | 1,521,152 51 | ..... | 8,377 46 | 3,189,515 00 |
| 1843, | $6,000 00 | ..... | 507,295 17 | ..... | 530,801 54 | ..... | 20,534 60 | 1,064,631 31 |
| 1844, | ..... | ..... | 524,159 82 | ..... | 418,692 06 | ..... | 37,224 90 | 890,076 78 |
| 1845, | ..... | ..... | 541,727 24 | ..... | 155,130 43 | ..... | 8,381 91 | 705,239 58 |
| 1846, | ..... | ..... | 550,920 50 | ..... | 70,012 35 | ..... | 48,656 61 | 669,589 46 |
| 1847, | ..... | ..... | 559,110 93 | ..... | 62,331 30 | ..... | 11,194 81 | 632,637 04 |
| 1848, | 1,337,940 37 | ..... | 526,713 52 | ..... | 631,573 08 | $3,829 25 | 27,417 17 | 2,530,473 39 |
| 1849, | 581,124 69 | ..... | 451,908 82 | ..... | 1,000,323 97 | ..... | 25,206 37 | 2,058,623 85 |
| 1850, | 74,948 00 | ..... | 419,488 02 | ..... | 1,365,695 00 | ..... | 14,919 08 | 1,875,050 10 |
| 1851, | 600 00 | ..... | 419,488 02 | ..... | 977,703 68 | ..... | 26,749 08 | 1,424,540 78 |
| 1852, | ..... | ..... | 419,488 02 | $21,540 51 | 913,148 64 | ..... | 30,257 31 | 1,384,434 48 |
| 1853, | ..... | ..... | 419,488 02 | 135,000 00 | 555,139 97 | ..... | 29,961 76 | 1,139,189 75 |
| 1854, | 459,025 00 | ..... | 411,988 02 | 90,000 00 | 582,443 11 | ..... | 24,558 85 | 1,568,014 98 |
| 1855, | 40,975 00 | ..... | 389,488 02 | 90,000 00 | 2,004,200 51 | ..... | 27,926 19 | 2,552,689 72 |
| 1856, | 3,847,383 00 | ..... | 239,488 02 | ..... | 3,168,676 89 | ..... | 93,935 30 | 7,376,483 21 |
| 1857, | 102,285 00 | ..... | 189,488 02 | ..... | 2,202,705 33 | ..... | 31,416 44 | 2,525,894 79 |
| 1858, | 2,119,128 29 | ..... | 164,169 04 | ..... | 1,366,128 28 | ..... | 455,944 39 | 4,105,370 00 |
| 1859, | 129,723 00 | ..... | 88,212 10 | ..... | 428,995 23 | ..... | 108,820 42 | 755,750 75 |
| 1860, | 580,290 65 | ..... | 68,869 04 | ..... | 2,210,216 11 | ..... | 47,760 04 | 2,907,135 84 |
| 1861, | 42,577 00 | ..... | 40,840 00 | ..... | 561,138 38 | ..... | 29,164 50 | 673,719 88 |
| 1862, | 587,000 00 | ..... | 30,895 27 | ..... | 685,329 89 | ..... | 79,971 15 | 1,383,196 31 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1863, | 3,000 00 | ..... | 11,365 00 | ..... | 163,089 62 | ..... | 75,157 17 | 252,611 79 |
| 1864, | 144,700 00 | ..... | 8,505 00 | ..... | 376,894 66 | ..... | 82,975 70 | 612,175 36 |
| 1865, | 82,300 00 | ..... | ..... | ..... | 277,848 94 | ..... | 29,304 04 | 389,452 98 |
| 1866, | 2,000 00 | ..... | ..... | ..... | 185,600 99 | ..... | 27,605 03 | 215,206 02 |
| 1867, | ..... | ..... | ..... | ..... | 51,825 53 | ..... | 6,632 60 | 58,458 13 |
| 1868, | ..... | ..... | ..... | ..... | 107,930 13 | ..... | 9,497 98 | 117,428 11 |
| 1869, | ..... | ..... | ..... | ..... | 15,542 98 | ..... | 796 51 | 16,339 49 |
| 1870, | ..... | ..... | ..... | ..... | 182,711 89 | ..... | 12,013 66 | 194,725 55 |
| 1871, | ..... | ..... | ..... | ..... | 18,937 25 | ..... | 1,176 73 | 20,133 98 |
| Total, | $10,168,000 00 | $1,400,000 00 | $8,104,009 85 | $336,540 51 | $32,665,098 38 | $3,829 25 | $1,457,033 97 | $54,131,511 96 |

(No. 80.)

*STATEMENT of Receipts and Payments, on account of the Oswego canal, in each year, up to September* 30, 1871, *inclusive, viz.:*

| YEAR. | Loans. | Premium on loans. | RECEIVED. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Avails of loans. | Erie & Champlain tolls. | Tolls. | Sales of land. | Rent of surplus water. | Miscellaneous. | Total. |
| 1826, | $227,000 00 | ..... | $227,000 00 | ..... | ..... | $29,698 92 | ..... | ..... | $256,698 82 |
| 1827, | ..... | ..... | ..... | ..... | ..... | 2,124 19 | ..... | ..... | 2,124 19 |
| 1828, | 210,000 00 | $2,805 00 | 212,805 00 | ..... | $2,057 82 | 79,748 59 | ..... | ..... | 294,611 41 |
| 1829, | ..... | ..... | ..... | ..... | 9,071 93 | 34,227 86 | $723 70 | ..... | 44,053 49 |
| 1830, | ..... | ..... | ..... | ..... | 12,430 01 | 33,508 76 | 825 00 | ..... | 46,763 77 |
| 1831,* | ..... | ..... | ..... | ..... | 11,465 20 | 11,870 75 | 1,571 83 | $3,992 67 | 28,900 45 |
| 1832, | ..... | ..... | ..... | ..... | 16,610 65 | 47 58 | 325 00 | ..... | 16,983 23 |
| 1833, | ..... | ..... | ..... | ..... | 22,965 26 | 221 81 | 325 00 | ..... | 23,512 07 |
| 1834, | ..... | ..... | ..... | ..... | 22,174 13 | 749 39 | 325 00 | ..... | 23,248 52 |
| 1835, | ..... | ..... | ..... | ..... | 26,267 09 | 456 42 | 325 00 | ..... | 27,048 51 |
| 1836, | ..... | ..... | ..... | ..... | 29,359 93 | 6,539 80 | 325 00 | 151 08 | 36,375 81 |
| 1837, | ..... | ..... | ..... | ..... | 24,556 97 | 8,898 00 | 325 00 | ..... | 33,779 97 |
| 1838, | ..... | ..... | ..... | ..... | 22,961 40 | 475 00 | 325 00 | ..... | 23,761 40 |
| 1839, | ..... | ..... | ..... | ..... | 32,593 80 | 4,360 00 | 325 00 | ..... | 37,278 80 |
| 1840, | ..... | ..... | ..... | ..... | 29,166 71 | ..... | 325 00 | ..... | 29,491 71 |
| 1841, | ..... | ..... | ..... | ..... | 34,630 03 | ..... | 325 00 | ..... | 34,955 03 |
| 1842, | ..... | ..... | ..... | ..... | 35,878 82 | 131 00 | ..... | ..... | 36,009 82 |
| 1843, | ..... | ..... | ..... | ..... | 31,914 21 | ..... | ..... | ..... | 31,914 21 |
| 1844, | ..... | ..... | ..... | ..... | 50,613 24 | ..... | ..... | ..... | 50,613 24 |
| 1845, | ..... | ..... | ..... | ..... | 53,831 17 | ..... | ..... | ..... | 53,831 17 |
| 1846, | ..... | ..... | ..... | $421,304 00 | 60,101 35 | ..... | ..... | ..... | 481,405 35 |
| 1847, | ..... | ..... | ..... | 100,000 00 | 70,839 01 | ..... | ..... | ..... | 170,839 01 |
| 1848, | ..... | ..... | ..... | ..... | 71,564 58 | ..... | ..... | 6,000 00 | 77,564 58 |
| 1849, | ..... | ..... | ..... | ..... | 86,139 66 | ..... | ..... | 6,000 00 | 92,139 66 |
| 1850, | ..... | ..... | ..... | ..... | 94,524 17 | ..... | ..... | 5,448 97 | 99,973 14 |
| 1851, | ..... | ..... | ..... | ..... | 104,366 58 | ..... | ..... | ..... | 104,366 58 |
| 1852, | 200,000 00 | 18,885 00 | 218,885 00 | ..... | 82,951 22 | ..... | ..... | 10,764 62 | 312,600 84 |
| 1853, | ..... | ..... | ..... | ..... | 88,839 97 | ..... | ..... | 65,841 57 | 154,681 54 |
| 1854, | ..... | ..... | ..... | ..... | 81,266 00 | ..... | ..... | 172,966 68 | 254,232 68 |
| 1855, | ..... | ..... | ..... | ..... | 64,954 15 | ..... | ..... | 197,187 18 | 262,141 33 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1856, | ..... | ..... | ..... | ..... | 96,136 22 | ..... | ..... | 261,982 70 | 358,118 92 |
| 1857, | ..... | ..... | ..... | ..... | 105,141 39 | ..... | ..... | 293,120 04 | 398,261 43 |
| 1858, | ..... | ..... | ..... | ..... | 83,939 46 | ..... | ..... | 390,581 08 | 474,520 54 |
| 1859, | ..... | ..... | ..... | ..... | 69,348 37 | ..... | ..... | 136,544 62 | 205,892 99 |
| 1860, | ..... | ..... | ..... | ..... | 109,840 03 | ..... | ..... | 352,522 14 | 462,362 17 |
| 1861, | ..... | ..... | ..... | ..... | 131,458 38 | ..... | ..... | 116,820 09 | 248,278 47 |
| 1862, | ..... | ..... | ..... | ..... | 153,006 82 | ..... | ..... | 172,019 04 | 325,025 86 |
| 1863, | ..... | ..... | ..... | ..... | 143,273 75 | 500 00 | ..... | 31,722 05 | 175,495 80 |
| 1864, | ..... | ..... | ..... | ..... | 142,561 87 | 277 00 | ..... | 35,961 63 | 178,801 00 |
| 1865, | ..... | ..... | ..... | ..... | 112,063 86 | 549 95 | ..... | 95,931 17 | 208,544 98 |
| 1866, | ..... | ..... | ..... | ..... | 143,354 27 | 49 95 | ..... | 285,933 38 | 429,347 60 |
| 1867, | ..... | ..... | ..... | ..... | 154,382 77 | 609 20 | ..... | 6,681 79 | 161,073 76 |
| 1868, | ..... | ..... | ..... | ..... | 173,027 99 | ..... | ..... | 130,195 33 | 303,223 32 |
| 1869, | ..... | ..... | ..... | ..... | 156,593 02 | ..... | ..... | 34,662 20 | 191,255 22 |
| 1870, | ..... | ..... | ..... | ..... | 138,648 54 | ..... | ..... | 233,679 75 | 372,328 29 |
| 1871, | ..... | ..... | ..... | ..... | 109,899 44 | ..... | ..... | 113,856 83 | 223,756 27 |
| Total, | $637,000 00 | $21,690 00 | $658,690 00 | $521,304 00 | $3,296,181 24 | $215,074 57 | $6,370 53 | $3,159,966 61 | $7,857,586 95 |
| Deficiencies paid by General Fund and Erie and Champlain canals, | | | | | | | | | 892,637 18 |
| | | | | | | | | | $8,750,224 13 |

* Nine months.

No. 80—(*Continued.*)

## OSWEGO CANAL.

| YEAR. | DEFICIENCIES. | | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Paid by the General Fund. | Paid by the Erie and C. canals. | Principal of loans. | Surplus tolls Erie and C. canals. | Interest on loans. | Canal Commissioners. | Superintendents of repairs. | Expenses of collectors & inspectors. | Miscellaneous. | Total. |
| 1826, | ..... | ..... | ..... | ..... | $5,083 81 | $237,015 57 | ..... | ..... | ..... | $242,099 38 |
| 1827, | ..... | ..... | ..... | ..... | 11,350 00 | 175,221 00 | ..... | ..... | ..... | 186,571 00 |
| 1828, | ..... | ..... | ..... | ..... | 18,917 35 | 83,774 46 | $8,418 00 | ..... | $500 00 | 111,609 81 |
| 1829, | ..... | ..... | ..... | ..... | 21,850 00 | 43,319 99 | 13,186 40 | $942 94 | 400 04 | 79,699 37 |
| 1830, | $16,062 18 | ..... | ..... | ..... | 21,850 00 | 3,310 00 | 12,972 51 | 1,837 25 | 364 54 | 40,334 30 |
| 1831, | 13,683 53 | ..... | $9,653 00 | ..... | 16,146 18 | ..... | 8,860 48 | 1,866 77 | 6,057 55 | 42,583 98 |
| 1832, | 17,892 61 | ..... | ..... | ..... | 21,367 36 | ..... | 12,507 99 | 1,974 39 | 1,657 88 | 37,507 62 |
| 1833, | 13,738 82 | ..... | ..... | ..... | 21,367 36 | ..... | 11,236 72 | 2,015 03 | ..... | 34,619 11 |
| 1834, | 12,649 83 | ..... | ..... | ..... | 21,367 36 | ..... | 12,522 48 | 2,008 51 | ..... | 35,898 35 |
| 1835, | 9,028 24 | ..... | ..... | ..... | 21,216 28 | ..... | 12,747 26 | 2,044 97 | 67 24 | 36,075 75 |
| 1836, | 43,942 97 | ..... | 6,043 00 | ..... | 21,065 20 | ..... | 51,064 14 | 2,147 44 | ..... | 80,319 78 |
| 1837, | 44,857 31 | ..... | ..... | ..... | 21,065 20 | 165 00 | 54,625 00 | 2,616 81 | 165 27 | 78,637 28 |
| 1838, | 54,460 70 | ..... | ..... | ..... | 21,065 20 | 1,156 21 | 53,997 56 | 2,003 13 | ..... | 78,222 10 |
| 1839, | 11,497 62 | ..... | ..... | ..... | 21,065 20 | ..... | 24,624 60 | 3,086 62 | ..... | 48,776 42 |
| 1840, | 30,760 33 | ..... | ..... | ..... | 21,065 20 | ..... | 36,198 40 | 1,988 44 | ..... | 60,252 04 |
| 1841, | ..... | $15,345 08 | ..... | ..... | 21,065 20 | ..... | 26,241 95 | 2,992 96 | ..... | 50,300 11 |
| 1842, | ..... | 18,383 59 | ..... | ..... | 21,065 20 | ..... | 30,189 57 | 3,138 64 | ..... | 54,393 41 |
| 1843, | ..... | 14,659 45 | ..... | ..... | 21,065 20 | ..... | 22,741 60 | 2,766 86 | ..... | 46,573 66 |
| 1844, | ..... | 7,767 60 | ..... | ..... | 21,065 20 | ..... | 27,410 68 | 2,774 31 | 6,530 65 | 57,780 84 |
| 1845, | ..... | 16,889 06 | ..... | ..... | 21,065 20 | ..... | 46,531 82 | 3,123 21 | ..... | 60,720 23 |
| 1846, | ..... | 13,506 25 | 387,248 45 | ..... | 16,041 54 | ..... | 54,273 11 | 3,263 75 | 29 20 | 460,856 05 |
| 1847, | ..... | ..... | 34,055 55 | $27,370 70 | ..... | ..... | 39,439 41 | 3,228 30 | 800 45 | 104,894 56 |
| 1848, | ..... | 6,231 19 | ..... | ..... | ..... | ..... | 74,093 10 | 3,690 67 | 12 00 | 77,795 77 |
| 1849, | ..... | ..... | ..... | 43,873 70 | ..... | 4,939 70 | 33,470 43 | 3,855 83 | ..... | 86,139 60 |
| 1850, | ..... | 21,288 32 | ..... | ..... | ..... | 82,507 60 | 29,631 44 | 3,598 45 | ..... | 115,737 49 |
| 1851, | ..... | ..... | ..... | 4,907 20 | ..... | 60,546 29 | 30,913 20 | 4,775 91 | 3,223 98 | 104,366 58 |
| 1852, | ..... | 27,161 52 | ..... | ..... | 8,186 30 | 75,652 45 | 40,972 84 | 4,468 08 | 2,538 95 | 131,818 62 |
| 1853, | ..... | 104,050 57 | ..... | ..... | 12,000 00 | 166,726 53 | 39,322 18 | 4,748 09 | 200,078 45 | 422,875 24 |
| 1854, | ..... | 100,000 00 | ..... | ..... | 12,000 00 | 308,087 93 | 67,247 64 | 5,734 16 | 101 00 | 393,170 73 |
| 1855, | ..... | 35,382 52 | ..... | ..... | 12,000 00 | 327,307 14 | 64,635 15 | 5,708 23 | 1,503 54 | 411,154 06 |
| 1856, | ..... | ..... | ..... | 30,596 21 | 12,000 00 | 257,828 62 | 59,429 15 | 6,010 86 | 710 40 | 366,675 24 |
| 1857, | ..... | ..... | ..... | 15,641 95 | 12,000 00 | 214,921 60 | 83,267 97 | 6,231 47 | 66,198 44 | 398,261 43 |
| 1858, | ..... | 20,207 07 | ..... | ..... | 12,000 00 | 181,564 60 | 97,565 51 | 6,668 65 | 42,646 48 | 340,445 24 |
| 1859, | ..... | ..... | ..... | 7,139 69 | 12,000 00 | 161,043 67 | 44,427 25 | 5,114 67 | 18,664 87 | 248,400 15 |
| 1860, | ..... | ..... | ..... | 60,547 16 | 12,000 00 | 421,088 67 | 5,264 93 | 7,585 87 | 14,561 35 | 521,047 98 |
| 1861, | ..... | ..... | ..... | 98,040 83 | 12,000 00 | 140,281 93 | 3,776 53 | 5,666 25 | 23,192 76 | 282,958 30 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1862, | ..... | ..... | ..... | 86, 529 41 | 12, 000 00 | 130, 960 61 | 10, 535 49 | 5, 329 85 | 33, 736 44 | 278, 991 80 |
| 1863, | ..... | ..... | ..... | 95, 939 32 | 12, 000 00 | 65, 293 12 | 1, 899 18 | 5, 080 09 | 43, 122 91 | 223, 334 62 |
| 1864, | ..... | ..... | ..... | 102, 785 07 | 12, 000 00 | 36, 703 92 | 5, 761 16 | 5, 945 10 | 31, 184 41 | 194, 379 66 |
| 1865, | ..... | 194, 017 75 | ..... | ..... | 12, 000 00 | 136, 265 89 | 209, 759 45 | 6, 695 61 | 36, 893 51 | 401, 614 46 |
| 1866, | ..... | 19, 198 11 | ..... | ..... | 9, 180 00 | 175, 256 74 | 9, 956 19 | 7, 199 76 | 44, 527 53 | 446, 120 22 |
| 1867, | ..... | 10, 174 96 | 200, 000 00 | ..... | ..... | 116, 998 54 | 6, 230 02 | 7, 273 17 | 40, 746 99 | 171, 248 72 |
| 1868, | ..... | ..... | ..... | 62, 531 68 | ..... | 142, 467 31 | 125 00 | 7, 129 64 | 90, 969 69 | 303, 223 32 |
| 1869, | ..... | ..... | ..... | 33, 035 87 | ..... | 107, 408 08 | 1, 857 34 | 7, 245 75 | 41, 708 18 | 191, 255 22 |
| 1870, | ..... | ..... | ..... | 76, 603 21 | ..... | 231, 584 45 | 1, 904 38 | 8, 788 83 | 53, 447 42 | 372, 328 29 |
| 1871, | ..... | ..... | ..... | 39, 069 30 | ..... | 121, 035 80 | 4, 289 93 | 8, 114 07 | 51, 247 17 | 223, 756 27 |
| Total, | $268, 574 14 | $624, 063 04 | $637, 000 00 | $784, 611 45 | $580, 575 54 | $4,210,443 42 | $1,486,225 13 | $189, 379 39 | $857, 589 29 | $8, 745, 824 22 |
| Balance on hand 30th September, 1871, | | | | | | | | | | 4, 399 91 |
| | | | | | | | | | | $8, 750, 224 13 |

* Nine months.

( No. 81. )

*STATEMENT of the Receipts and Payments, on account of the Cayuga and Seneca canal, in each year, up to September 30th, 1871, inclusive, viz.:*

| YEAR. | Loans. | Premiums on loans. | RECEIVED. | | | | | | DEFICIENCIES. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Avails of loans. | From other funds to redeem stock. | From Sinking Fund to pay interest. | Tolls. | Miscellaneous. | Total. | Paid by the General Fund. | Paid by Erie and Champlain canals. |
| 1826 | $150,000 00 | $9,000 00 | $159,000 00 | ..... | ..... | $2,820 75 | ..... | $161,820 75 | ..... | ..... |
| 1827 | ..... | ..... | ..... | ..... | ..... | 155 19 | ..... | 155 19 | ..... | ..... |
| 1828 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1829 | 87,000 00 | ..... | 87,000 00 | ..... | ..... | 8,370 24 | ..... | 95,370 24 | ..... | ..... |
| 1830 | ..... | ..... | ..... | ..... | ..... | 13,087 51 | ..... | 13,087 51 | $22,006 11 | ..... |
| 1831,* | ..... | ..... | ..... | ..... | ..... | 8,859 48 | ..... | 8,859 48 | 6,757 21 | ..... |
| 1832 | ..... | ..... | ..... | ..... | ..... | 12,375 77 | ..... | 12,375 77 | 5,284 93 | ..... |
| 1833 | ..... | ..... | ..... | ..... | ..... | 15,591 50 | ..... | 15,591 50 | 5,826 44 | ..... |
| 1834 | ..... | ..... | ..... | ..... | ..... | 18,053 14 | ..... | 18,053 14 | 3,761 76 | ..... |
| 1835 | ..... | ..... | ..... | ..... | ..... | 20,192 61 | ..... | 20,192 61 | 3,352 51 | ..... |
| 1836 | ..... | ..... | ..... | ..... | ..... | 19,914 52 | $47 50 | 19,962 03 | 19,662 70 | ..... |
| 1837 | ..... | ..... | ..... | ..... | ..... | 16,648 77 | ..... | 16,648 77 | 27,177 52 | ..... |
| 1838 | ..... | ..... | ..... | ..... | ..... | 17,488 82 | ..... | 17,488 82 | 15,517 62 | ..... |
| 1839 | ..... | ..... | ..... | ..... | ..... | 19,354 67 | ..... | 19,354 67 | 17,890 68 | ..... |
| 1840 | ..... | ..... | ..... | ..... | ..... | 17,787 29 | ..... | 17,787 29 | 18,259 96 | ..... |
| 1841 | ..... | ..... | ..... | ..... | ..... | 22,445 46 | ..... | 22,445 46 | ..... | $9,299 84 |
| 1842 | ..... | ..... | ..... | ..... | ..... | 17,992 67 | ..... | 17,992 67 | ..... | 20,909 42 |
| 1843 | ..... | ..... | ..... | ..... | ..... | 17,938 40 | ..... | 17,938 40 | ..... | 6,319 24 |
| 1844 | ..... | ..... | ..... | ..... | ..... | 23,054 19 | ..... | 23,054 19 | ..... | 4,265 11 |
| 1845 | ..... | ..... | ..... | ..... | ..... | 28,881 48 | ..... | 28,881 48 | ..... | ..... |
| 1846 | ..... | ..... | ..... | $143,470 05 | ..... | 29,395 23 | ..... | 172,865 28 | ..... | ..... |
| 1847 | ..... | ..... | ..... | ..... | $4,350 00 | 26,908 78 | ..... | 31,258 78 | ..... | ..... |
| 1848 | ..... | ..... | ..... | ..... | 4,350 00 | 28,470 86 | ..... | 32,820 86 | ..... | ..... |
| 1849 | ..... | ..... | ..... | 71,886 00 | 3,262 50 | 27,735 44 | ..... | 102,883 94 | ..... | 37,502 70 |
| 1850 | ..... | ..... | ..... | 15,114 00 | ..... | 27,589 59 | 18,328 18 | 61,031 77 | ..... | 36,258 09 |
| 1851 | ..... | ..... | ..... | ..... | ..... | 26,258 40 | 7,038 48 | 33,296 88 | ..... | ..... |
| 1852 | ..... | ..... | ..... | ..... | ..... | 22,524 38 | ..... | 22,524 38 | ..... | 8,499 33 |
| 1853 | ..... | ..... | ..... | ..... | ..... | 25,169 84 | 21,550 00 | 46,719 84 | ..... | 2,651 01 |
| 1854 | ..... | ..... | ..... | ..... | ..... | 24,808 90 | 100,553 00 | 125,361 90 | ..... | ..... |
| 1855 | ..... | ..... | ..... | ..... | ..... | 21,915 81 | 102,000 00 | 123,915 81 | ..... | ..... |
| 1856 | ..... | ..... | ..... | ..... | ..... | 20,919 78 | 131,728 46 | 152,648 24 | ..... | ..... |
| 1857 | ..... | ..... | ..... | ..... | ..... | 19,457 35 | 166,585 09 | 186,042 44 | ..... | ..... |
| 1858 | ..... | ..... | ..... | ..... | ..... | 14,400 67 | 191,239 37 | 205,640 04 | ..... | 19,582 16 |
| 1859 | ..... | ..... | ..... | ..... | ..... | 17,449 54 | 45,271 29 | 62,720 83 | ..... | ..... |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1860, | ..... | ..... | ..... | ..... | ..... | 20,089 09 | 140,044 72 | 160,133 81 | ..... | ..... |
| 1861, | ..... | ..... | ..... | ..... | ..... | 18,778 32 | 72,411 21 | 91,189 53 | ..... | 3,578 69 |
| 1862, | ..... | ..... | ..... | ..... | ..... | 21,395 82 | 144,473 71 | 165,869 53 | ..... | ..... |
| 1863, | ..... | ..... | ..... | ..... | ..... | 25,243 93 | 30,146 89 | 55,390 82 | ..... | ..... |
| 1864, | ..... | ..... | ..... | ..... | ..... | 28,040 29 | 38,372 34 | 66,412 63 | ..... | ..... |
| 1865, | ..... | ..... | ..... | ..... | ..... | 23,802 22 | 70,791 20 | 94,593 42 | ..... | 2,966 05 |
| 1866, | ..... | ..... | ..... | ..... | ..... | 34,151 25 | 29,811 35 | 63,962 60 | ..... | ..... |
| 1867, | ..... | ..... | ..... | ..... | ..... | 29,723 37 | 4,264 98 | 33,988 35 | ..... | ..... |
| 1868, | ..... | ..... | ..... | ..... | ..... | 31,656 11 | 13,814 24 | 45,470 35 | ..... | ..... |
| 1869, | ..... | ..... | ..... | ..... | ..... | 36,169 41 | 11,036 39 | 47,205 80 | ..... | ..... |
| 1870, | ..... | ..... | ..... | ..... | ..... | 28,988 78 | 102,995 63 | 131,984 41 | ..... | 9,178 40 |
| 1871, | ..... | ..... | ..... | ..... | ..... | 22,261 69 | 24,280 04 | 46,541 73 | ..... | 27,028 74 |
| Total, | $237,000 00 | $9,000 00 | $246,000 00 | $230,470 05 | $11,962 50 | $954,317 32 | $1,466,784 07 | $2,909,533 94 | $146,497 44 | $188,038 78 |
| Deficiencies paid by General Fund and Erie and Champlain canals, | | | | | | | | 334,536 22 | | |
| | | | | | | | | $3,244,070 16 | | |

* Nine months.

## No. 81—(*Continued*).

## CAYUGA AND SENECA CANAL.

| YEAR. | PAID. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Principal of loans. | Interest on loans. | Surplus tolls to Erie and Champlain canals. | Canal Commissioners | Seneca Lock Navigation Company. | Superintendents of repairs. | Collectors. | Miscellaneous. | Total. |
| 1826, | ..... | $3,873 28 | ..... | $8,094 47 | $34,095 83 | ..... | $255 83 | ..... | $46,319 41 |
| 1827, | ..... | 7,500 00 | ..... | 45,292 70 | 19,776 05 | ..... | ..... | $145 22 | 72,713 98 |
| 1828, | ..... | 7,500 00 | ..... | 90,918 54 | ..... | ..... | ..... | 8,481 87 | 106,900 41 |
| 1829, | ..... | 9,956 55 | ..... | 20,783 50 | ..... | $8,038 94 | ..... | 2,331 00 | 41,109 99 |
| 1830, | ..... | 11,850 00 | ..... | 6,885 55 | ..... | 5,833 96 | 826 50 | ..... | 25,396 01 |
| 1831,* | ..... | 8,887 50 | ..... | ..... | ..... | 3,301 39 | 822 00 | 3,605 80 | 16,616 69 |
| 1832, | ..... | 11,850 00 | ..... | 100 00 | ..... | 4,132 85 | 799 17 | 200 00 | 17,082 02 |
| 1833, | ..... | 11,850 00 | ..... | ..... | ..... | 9,338 71 | 807 91 | ..... | 21,996 62 |
| 1834, | ..... | 11,850 00 | ..... | 90 00 | ..... | 8,926 17 | 948 73 | ..... | 21,814 90 |
| 1835, | ..... | 11,850 00 | ..... | ..... | ..... | 10,275 83 | 1,412 96 | 6 33 | 23,545 12 |
| 1836, | ..... | 11,850 00 | ..... | ..... | ..... | 26,301 78 | 1,422 95 | 50 00 | 39,624 73 |
| 1837, | ..... | 11,850 00 | ..... | ..... | ..... | 30,471 56 | 1,459 73 | 45 00 | 43,826 29 |
| 1838, | ..... | 11,850 00 | ..... | ..... | ..... | 19,898 53 | 1,166 16 | 91 75 | 33,006 44 |
| 1839, | ..... | 11,850 00 | ..... | ..... | ..... | 23,594 36 | 1,712 01 | 88 98 | 37,245 35 |
| 1840, | ..... | 11,850 00 | ..... | ..... | ..... | 22,656 16 | 1,541 09 | ..... | 36,047 25 |
| 1841, | ..... | 11,850 00 | ..... | 2,055 41 | ..... | 16,330 33 | 1,509 56 | ..... | 31,745 30 |
| 1842, | ..... | 11,850 00 | ..... | 10,819 24 | ..... | 14,708 75 | 1,524 10 | ..... | 38,902 09 |
| 1843, | ..... | 11,850 00 | ..... | ..... | ..... | 10,953 48 | 1,454 16 | ..... | 24,257 64 |
| 1844, | ..... | 11,850 00 | ..... | 4 52 | ..... | 14,127 13 | 1,337 65 | ..... | 27,319 30 |
| 1845, | ..... | 11,850 00 | ..... | ..... | ..... | 13,853 68 | 1,946 66 | 56 90 | 27,257 24 |
| 1846, | $150,000 00 | 9,975 00 | ..... | ..... | ..... | 12,947 02 | 1,567 50 | ..... | 174,489 52 |
| 1847, | ..... | 4,350 00 | $10,377 25 | 756 40 | ..... | 14,099 37 | 1,526 51 | 149 25 | 31,258 78 |
| 1848, | ..... | 4,350 00 | 13,543 22 | ..... | ..... | 13,048 47 | 1,390 87 | 488 30 | 32,820 86 |
| 1849, | 71,886 00 | 3,262 50 | ..... | 51,932 60 | ..... | 11,923 64 | 1,280 00 | 101 90 | 140,386 64 |
| 1850, | 15,114 00 | ..... | ..... | 70,219 79 | ..... | 10,780 52 | 1,175 55 | ..... | 97,239 86 |
| 1851, | ..... | ..... | 3,737 58 | 7,038 48 | ..... | 20,894 51 | 1,547 81 | 78 50 | 33,296 88 |
| 1852, | ..... | ..... | ..... | 2,096 00 | ..... | 27,387 80 | 1,452 58 | 87 33 | 31,023 71 |
| 1853, | ..... | ..... | ..... | 14,223 35 | ..... | 14,502 06 | 1,530 29 | 15 15 | 30,270 85 |
| 1854, | ..... | ..... | 6,070 89 | 64,246 84 | ..... | 16,834 52 | 1,903 49 | ..... | 89,055 74 |
| 1855, | ..... | ..... | 11,187 33 | 117,821 09 | ..... | 10,557 72 | 2,170 76 | ..... | 141,736 90 |
| 1856, | ..... | ..... | 8,278 65 | 168,797 78 | ..... | 10,082 85 | 2,558 28 | 515 75 | 190,233 31 |
| 1857, | ..... | ..... | 3,734 23 | 136,589 28 | ..... | 12,688 50 | 3,034 63 | 29,995 81 | 186,042 44 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1858, | ..... | ..... | ..... | 124,207 79 | ..... | 50,872 03 | [illegible],111 29 | 67,031 [illegible] | 220,222 25 |
| 1859, | ..... | ..... | 8,276 51 | 36,840 22 | ..... | 5,278 55 | 2,397 46 | 30,472 45 | 83,265 19 |
| 1860, | ..... | ..... | 11,569 04 | 135,590 78 | ..... | 131 24 | 2,644 40 | 3,722 16 | 153,657 62 |
| 1861, | ..... | ..... | ..... | 84,308 31 | ..... | 17,010 38 | 2,307 26 | 2,619 12 | 106,245 07 |
| 1862, | ..... | ..... | 3,200 05 | 93,564 74 | ..... | 14,799 98 | 1,734 80 | 11,092 75 | 124,392 32 |
| 1863, | ..... | ..... | 7,603 15 | 44,293 70 | ..... | 3,159 49 | 1,373 21 | 12,320 46 | 68,750 01 |
| 1864, | ..... | ..... | 11,138 82 | 39,029 63 | ..... | 4,069 54 | 1,384 39 | 13,538 95 | 69,161 33 |
| 1865, | ..... | ..... | ..... | 64,334 92 | ..... | 373 03 | 1,581 04 | 31,094 78 | 97,383 77 |
| 1866, | ..... | ..... | 17,639 27 | 25,735 08 | ..... | 2,097 49 | 1,786 67 | 16,704 09 | 63,962 60 |
| 1867, | ..... | ..... | 8,310 52 | 4,931 89 | ..... | 382 81 | 1,769 99 | 18,593 14 | 33,988 35 |
| 1868, | ..... | ..... | 9,120 88 | 13,500 13 | ..... | ..... | 1,776 91 | 21,072 43 | 45,470 35 |
| 1869, | ..... | ..... | 12,717 03 | 11,295 22 | ..... | 1,291 63 | 1,759 00 | 20,142 92 | 47,205 80 |
| 1870, | ..... | ..... | ..... | 111,486 87 | ..... | 10,666 64 | 2,418 59 | 16,590 71 | 141,162 81 |
| 1871, | ..... | ..... | ..... | 31,505 88 | ..... | 39,374 37 | 2,373 29 | 316 93 | 73,570 47 |
| Total, | $237,000 00 | $237,404 83 | $146,504 42 | $1,639,390 70 | $53,871 88 | $547,997 77 | $70,053 73 | $311,846 83 | $3,244,070 16 |

* Nine months.

(No. 82.)

*STATEMENT of Receipts and Payments on account of the Chemung Canal, in each year, up to September 30, 1871, inclusive, viz.:*

| YEAR. | Loans. | Premiums on loans. | Discount on loans. | RECEIVED. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Avails of loans. | Temporary loans. | From Sinking Fund. | Interest on deposits. | Tolls. | Miscellaneous. | Total. |
| 1830 | $150,000 00 | $15,694 00 | | $165,694 00 | | | | | | $165,694 00 |
| 1831,* | 140,263 09 | 21,179 71 | | 161,442 71 | | | | | $2,818 66 | 164,261 37 |
| 1832 | | | | | | | | | 1,057 66 | 1,057 66 |
| 1833 | 25,737 00 | 4,506 55 | | 30,243 55 | | | | | 2,072 98 | 32,316 53 |
| 1834 | | | | | | | | $2,398 39 | | 2,398 39 |
| 1835 | | | | | | | | 4,153 07 | 27 40 | 4,180 48 |
| 1836 | | | | | | | | 5,078 37 | 275 00 | 5,353 37 |
| 1837 | | | | | | | | 4,342 99 | 22 60 | 4,365 68 |
| 1838 | | | | | | | | 4,478 01 | | 4,476 01 |
| 1839 | | | | | | | | 4,767 62 | | 4,767 62 |
| 1840 | | | $14,292 23 | | | | | 5,011 50 | | 5,011 50 |
| 1841 | 114,292 23 | | | 100,000 00 | | | $526 39 | 7,158 18 | | 107,684 57 |
| 1842 | 172,830 24 | | | 172,830 24 | $20,000 00 | | | 7,206 28 | | 200,036 52 |
| 1843 | 53,478 11 | | | 53,478 11 | | | | 9,188 51 | | 62,666 62 |
| 1844 | 7,000 00 | | | 7,000 00 | | | | 12,950 92 | | 19,950 82 |
| 1845 | | | | | | | | 20,281 70 | | 20,281 70 |
| 1846 | | | | | | | | 15,862 99 | | 15,862 99 |
| 1847 | | | | | | $35,934 59 | | 13,677 28 | | 49,611 87 |
| 1848 | | | | | | 35,934 59 | | 16,821 58 | | 52,756 17 |
| 1849 | | | | | | 172,647 73 | | 16,048 96 | 7,120 88 | 195,817 57 |
| 1850 | | | | | | 296,105 18 | | 16,276 54 | 14,194 20 | 326,575 92 |
| 1851 | | | | | | 53,066 32 | | 15,986 04 | 2,620 00 | 71,672 36 |
| 1852 | | | | | | 11,177 76 | | 15,683 31 | | 26,861 07 |
| 1853 | | | | | | 10,394 21 | | 20,810 23 | | 31,204 44 |
| 1854 | | | | | | 10,394 21 | | 19,635 35 | | 30,029 56 |
| 1855 | | | | | | 10,394 21 | | 19,771 91 | 6,971 63 | 37,137 75 |
| 1856 | | | | | | 10,394 21 | | 17,111 13 | 1,744 11 | 29,249 45 |
| 1857 | | | | | | 10,394 21 | | 17,101 71 | | 27,495 52 |
| 1858 | | | | | | 10,394 21 | | 13,347 95 | | 23,742 16 |
| 1859 | | | | | | 10,394 21 | | 16,868 66 | 606 27 | 27,869 14 |
| 1860 | | | | | | 63,070 15 | | 18,579 46 | 35 78 | 81,685 39 |
| 1861 | | | | | | 135,033 11 | | 15,319 04 | 72 | 150,352 87 |
| 1862 | | | | | | 7,223 33 | | 19,901 96 | 2,450 42 | 29,593 71 |
| 1863 | | | | | | | | 21,628 77 | 4,583 02 | 26,211 79 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1864, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 23,406 86 | 15,837 85 | 39,244 71 |
| 1865, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16,754 91 | 31,678 14 | 48,424 05 |
| 1866, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18,173 04 | 86,357 91 | 104,530 95 |
| 1867, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14,523 14 | 91,220 91 | 105,744 05 |
| 1868, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,222 98 | 25,839 11 | 38,062 09 |
| 1869, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9,514 27 | 39,661 95 | 49,176 22 |
| 1870, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5,984 90 | 86,323 46 | 92,308 36 |
| 1871, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,187 79 | 94,498 07 | 100,685 86 |
| Total, | $663,600 58 | $41,380 26 | $14,292 23 | $690,688 61 | $20,000 00 | $882,962 23 | $526 39 | $504,207 30 | $518,027 82 | $2,676,412 35 |
| Deficiencies paid by General Fund and Erie and Champlain canals, | | | | | | | | | | 1,745,713 48 |
| | | | | | | | | | | $4,362,125 83 |

* Nine months.

## No. 82 — (*Continued*).

## CHEMUNG CANAL.

| YEAR. | DEFICIENCIES. | | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Paid by the General Fund. | Paid by the Erie and Champlain canals. | Principal of loans. | Temporary loans. | Interest on loans. | Canal Commissioners. | Superintendents of repairs. | Collectors. | Miscellaneous. | Total. |
| 1830, | ..... | ..... | ..... | ..... | $3,125 00 | $69,190 00 | ..... | ..... | ..... | $72,315 00 |
| 1831, | ..... | ..... | ..... | ..... | 7,378 29 | 148,291 57 | ..... | ..... | $2 10 | 155,671 96 |
| 1832, | ..... | ..... | ..... | ..... | 14,513 16 | 75,410 47 | ..... | ..... | 16 05 | 89,939 68 |
| 1833, | $43,730 28 | ..... | ..... | ..... | 14,891 29 | 47,793 38 | $26,448 53 | ..... | 400 00 | 89,533 20 |
| 1834, | 40,723 55 | ..... | ..... | ..... | 15,800 04 | 2,258 91 | 23,703 48 | $696 48 | 263 03 | 42,721 94 |
| 1835, | 23,841 29 | ..... | ..... | ..... | 15,800 04 | 9 08 | 11,175 89 | 1,036 75 | ..... | 28,021 76 |
| 1836, | 21,107 70 | ..... | ..... | ..... | 15,800 03 | ..... | 9,623 16 | 1,037 88 | ..... | 26,461 07 |
| 1837, | 31,278 06 | ..... | ..... | ..... | 15,800 00 | 3,558 79 | 15,193 82 | 1,091 13 | ..... | 35,643 74 |
| 1838, | 29,833 11 | ..... | ..... | ..... | 15,800 00 | 1,859 91 | 12,106 16 | 992 97 | 3,552 08 | 34,311 12 |
| 1839, | 26,536 63 | ..... | ..... | ..... | 15,800 00 | ..... | 14,315 71 | 1,187 94 | ..... | 31,303 65 |
| 1840, | 24,094 57 | ..... | ..... | ..... | 15,800 00 | 68 50 | 11,969 24 | 1,268 33 | ..... | 29,106 07 |
| 1841, | ..... | $35,702 40 | ..... | ..... | 18,535 21 | 100,056 81 | 23,175 22 | 1,201 54 | 103 39 | 143,072 17 |
| 1842, | ..... | 53,151 75 | $7,000 00 | ..... | 25,830 21 | 185,987 49 | 33,451 59 | 1,076 23 | 157 55 | 253,503 07 |
| 1843, | ..... | 41,986 27 | 8,000 00 | $20,000 00 | 34,629 11 | 25,417 46 | 14,486 27 | 1,159 40 | 60 65 | 103,752 89 |
| 1844, | ..... | 35,985 80 | ..... | ..... | 35,678 69 | 3,467 07 | 12,172 23 | 1,085 80 | 224 60 | 54,628 39 |
| 1845, | ..... | 34,100 95 | ..... | ..... | 35,863 88 | 9 90 | 17,285 27 | 1,239 50 | 576 00 | 54,968 55 |
| 1846, | ..... | 36,225 87 | ..... | ..... | 35,944 31 | 1,646 00 | 14,689 55 | 1,455 00 | 109 00 | 53,843 86 |
| 1847, | ..... | 7,730 12 | ..... | ..... | 35,934 59 | 4,360 86 | 15,485 39 | 1,561 15 | 13 01 | 57,355 00 |
| 1848, | ..... | 12,789 76 | ..... | ..... | 35,934 50 | 328 66 | 27,080 33 | 2,030 00 | 172 35 | 65,545 93 |
| 1849, | ..... | 23,040 32 | 139,148 24 | ..... | 23,499 49 | 10,876 96 | 23,897 06 | 2,136 00 | 1,254 56 | 219,812 31 |
| 1850, | ..... | 54,154 10 | 272,724 64 | ..... | 23,380 54 | 53,768 39 | 28,885 79 | 1,896 21 | 74 45 | 380,730 02 |
| 1851, | ..... | 37,426 19 | 42,495 06 | ..... | 10,394 21 | 11,044 92 | 42,330 76 | 2,566 35 | 90 20 | 109,098 55 |
| 1852, | ..... | 21,681 48 | 780 30 | ..... | 10,394 21 | 2,144 06 | 32,952 17 | 2,198 36 | 70 20 | 48,542 55 |
| 1853, | ..... | 18,626 28 | ..... | ..... | 10,394 21 | 12,665 24 | 23,883 28 | 2,214 84 | 673 15 | 49,830 72 |
| 1854, | ..... | 18,963 53 | ..... | ..... | 10,394 21 | 3,047 11 | 33,999 05 | 2,187 62 | 265 10 | 48,993 09 |
| 1855, | ..... | 5,660 85 | ..... | ..... | 10,394 21 | 6,971 63 | 23,094 86 | 2,252 97 | 84 93 | 42,798 60 |
| 1856, | ..... | 3,424 12 | ..... | ..... | 10,394 21 | 3,223 28 | 4,652 49 | 2,403 11 | 12,600 48 | 32,673 57 |
| 1857, | ..... | 91,179 43 | ..... | ..... | 10,394 21 | 29,988 16 | 66,101 23 | 2,435 05 | 9,756 70 | 118,675 35 |
| 1858, | ..... | 179,310 77 | ..... | ..... | 10,394 21 | 28,345 22 | 161,702 33 | 2,604 92 | 6 35 | 203,052 93 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1859, | ..... | 47,198 37 | ..... | ..... | 10,394 21 | 39,026 44 | 18,786 02 | 2,195 01 | 4,665 83 | 75,067 51 |
| 1860, | ..... | 67,239 14 | 53,478 11 | ..... | 9,592 04 | 69,747 13 | 316 67 | 3,264 81 | 12,485 77 | 148,924 53 |
| 1861, | ..... | 33,436 14 | 132,974 23 | ..... | 2,058 88 | 20,828 36 | 6,510 67 | 2,628 39 | 18,788 48 | 183,789 01 |
| 1862, | ..... | 90,100 53 | 7,000 00 | ..... | 233 33 | 81,911 75 | 7,628 96 | 2,294 62 | 20,626 58 | 119,695 24 |
| 1863, | ..... | 83,053 63 | ..... | ..... | ..... | 34,356 39 | 52,324 59 | 2,256 50 | 19,327 94 | 109,265 42 |
| 1864, | ..... | 49,782 94 | ..... | ..... | ..... | 48,390 86 | 12,859 91 | 2,392 74 | 25,484 04 | 89,023 65 |
| 1865, | ..... | 87,357 58 | ..... | ..... | ..... | 43,486 76 | 16,713 24 | 2,845 55 | 72,736 08 | 135,781 63 |
| 1866, | ..... | 45,311 69 | ..... | ..... | ..... | 94,784 34 | 18,219 19 | 3,189 21 | 33,650 90 | 149,842 64 |
| 1867, | ..... | 65,714 98 | ..... | ..... | ..... | 86,708 79 | 3,207 04 | 3,318 19 | 78,225 01 | 171,459 03 |
| 1868, | ..... | 51,145 31 | ..... | ..... | ..... | 38,108 40 | ..... | 2,981 94 | 48,117 06 | 89,207 40 |
| 1869, | ..... | 31,550 41 | ..... | ..... | ..... | 40,185 18 | 1,431 17 | 3,110 28 | 36,000 00 | 80,726 63 |
| 1870, | ..... | 50,981 03 | ..... | ..... | ..... | 107,850 46 | 826 69 | 3,821 28 | 30,790 96 | 143,289 39 |
| 1871, | ..... | 91,457 15 | ..... | ..... | ..... | 97,761 57 | 2,912 31 | 3,801 68 | 87,667 45 | 192,143 01 |
| Total, | $241,144 59 | $1,504,568 89 | $663,600 58 | $20,000 00 | $571,349 91 | $1,643,876 26 | $865,691 32 | $79,115 63 | $518,492 13 | $4,362,125 83 |

(No. 83.)

*STATEMENT of Receipts and Payments on account of the Crooked Lake Canal, in each year, up to September 30, 1871, inclusive, viz.:*

| YEAR. | Loans. | Premium on loans. | RECEIVED. | | | | | DEFICIENCIES. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Avails of loans. | From Sinking Fund. | Tolls. | Miscellaneous. | Total. | Paid by the Gen'l Fund. | Paid by the Erie and Champlain canals. |
| 1831,* | $100,000 00 | | $100,000 00 | | | | $100,000 00 | | |
| 1832, | | | | | | | | | |
| 1833, | 20,000 00 | $20,402 26 | 40,402 26 | | | $5,997 24 | 46,399 50 | | |
| 1834, | | | | | $1,007 60 | | 1,007 60 | $12,829 82 | |
| 1835, | | | | | 1,803 76 | | 1,803 76 | 8,243 35 | |
| 1836, | | | | | 1,953 90 | | 1,953 90 | 9,794 28 | |
| 1837, | | | | | 1,547 61 | | 1,547 61 | 10,323 54 | |
| 1838, | | | | | 1,566 06 | | 1,566 06 | 11,037 55 | |
| 1839, | | | | | 1,893 90 | | 1,893 90 | 7,769 52 | |
| 1840, | | | | | 1,613 16 | | 1,613 16 | 9,819 72 | |
| 1841, | | | | | 2,023 46 | | 2,023 46 | | $14,429 46 |
| 1842, | | | | | 1,216 73 | | 1,216 73 | | 13,718 06 |
| 1843, | | | | | 1,341 60 | | 1,341 60 | | 9,213 34 |
| 1844, | | | | | 1,367 21 | | 1,367 21 | | 9,280 69 |
| 1845, | | | | | 1,662 84 | | 1,662 84 | | 10,048 11 |
| 1846, | | | | | 1,846 37 | | 1,846 37 | | 36,771 78 |
| 1847, | | | | $6,000 00 | 1,774 55 | | 7,774 55 | | 51,797 10 |
| 1848, | | | | 6,000 00 | 1,858 04 | | 7,858 04 | | 65,076 49 |
| 1849, | | | | 6,000 00 | 1,819 17 | 75 00 | 7,894 17 | | 11,341 26 |
| 1850, | | | | 125,000 01 | 1,796 17 | 870 00 | 127,666 18 | | 13,225 84 |
| 1851, | | | | | 1,714 34 | 15 00 | 1,729 34 | | 11,713 68 |
| 1852, | | | | | 1,246 02 | 1,750 92 | 2,966 94 | | 7,054 52 |
| 1853, | | | | | 1,656 75 | 4,700 00 | 6,356 75 | | 4,651 75 |
| 1854, | | | | | 1,303 69 | | 1,303 69 | | 4,740 43 |
| 1855, | | | | | 837 48 | | 827 48 | | 5,371 36 |
| 1856, | | | | | 1,154 48 | | 1,154 48 | | 4,447 78 |
| 1857, | | | | | 379 26 | | 879 26 | | 11,812 65 |
| 1858, | | | | | 520 82 | | 520 82 | | 10,409 09 |
| 1859, | | | | | 715 06 | | 715 06 | | 4,935 49 |
| 1860, | | | | | 683 34 | | 683 34 | | 5,616 78 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1861, | ..... | ..... | ..... | ..... | 699 94 | ..... | 699 94 | ..... | 6,384 27 |
| 1862, | ..... | ..... | ..... | ..... | 712 70 | ..... | 712 70 | ..... | 7,369 21 |
| 1863, | ..... | ..... | ..... | ..... | 746 40 | 2,126 82 | 2,873 22 | ..... | 5,130 76 |
| 1864, | ..... | ..... | ..... | ..... | 585 88 | 3,367 62 | 3,953 50 | ..... | 33,436 02 |
| 1865, | ..... | ..... | ..... | ..... | 290 65 | 6,171 94 | 6,462 59 | ..... | 36,798 20 |
| 1866, | ..... | ..... | ..... | ..... | 534 96 | 4,825 00 | 5,359 96 | ..... | 7,369 16 |
| 1867, | ..... | ..... | ..... | ..... | 672 93 | ..... | 672 93 | ..... | 7,624 69 |
| 1868, | ..... | ..... | ..... | ..... | 359 91 | 21,991 97 | 22,351 88 | ..... | 7,830 73 |
| 1869, | ..... | ..... | ..... | ..... | 338 81 | 42,667 85 | 43,006 66 | ..... | 8,262 96 |
| 1870, | ..... | ..... | ..... | ..... | 401 74 | 950 80 | 1,352 54 | ..... | 7,109 29 |
| 1871, | ..... | ..... | ..... | ..... | 301 47 | 4,800 00 | 5,101 47 | ..... | 73,532 07 |
| Total, | $120,000 00 | $20,402 26 | $140,402 26 | $143,000 01 | $44,448 76 | $100,310 16 | $428,161 19 | $69,817 78 | $507,263 02 |
| Deficiencies paid by General Fund and Erie and Champlain canals, | | | | | | | 577,080 80 | | |
| | | | | | | | $1,005,241 99 | | |

* Nine months.

No. 83—(*Continued.*)

## CROOKED LAKE CANAL.

| YEAR. | PAID. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Principal of loans. | Interest on loans. | Canal Commissioners. | Superintendents of repairs. | Collectors. | Miscellaneous. | Total. |
| 1831,* | ..... | $1,537 67 | $11,350 00 | ..... | ..... | ..... | $12,887 67 |
| 1832, | ..... | 5,000 00 | 62,906 46 | ..... | ..... | ..... | 67,906 46 |
| 1833, | ..... | 5,250 00 | 52,461 30 | ..... | ..... | ..... | 57,711 30 |
| 1834, | ..... | 6,000 00 | 13,293 82 | $2,437 67 | ..... | ..... | 21,731 49 |
| 1835, | ..... | 6,000 00 | 1 70 | 3,694 66 | $350 75 | ..... | 10,047 11 |
| 1836, | ..... | 6,000 00 | 255 90 | 5,063 82 | 425 25 | $3 21 | 11,748 18 |
| 1837, | ..... | 6,000 00 | 402 31 | 5,743 71 | 725 25 | ..... | 12,871 15 |
| 1838, | ..... | 6,000 00 | ..... | 5,060 07 | 543 54 | ..... | 11,603 61 |
| 1839, | ..... | 6,000 00 | ..... | 2,778 21 | 885 11 | ..... | 9,663 42 |
| 1840, | ..... | 6,000 00 | ..... | 4,559 23 | 873 65 | ..... | 11,452 88 |
| 1841, | ..... | 6,000 00 | 2 00 | 9,463 07 | 987 85 | ..... | 16,452 92 |
| 1842, | ..... | 6,000 00 | ..... | 8,016 66 | 918 13 | ..... | 14,934 79 |
| 1843, | ..... | 6,000 00 | ..... | 3,674 16 | 880 78 | ..... | 10,554 94 |
| 1844, | ..... | 6,000 00 | ..... | 3,905 84 | 842 06 | ..... | 10,747 90 |
| 1845, | ..... | 6,000 00 | 9 00 | 4,844 67 | 857 28 | ..... | 11,710 95 |
| 1846, | ..... | 6,000 00 | 26,358 42 | 5,384 00 | 875 73 | ..... | 38,618 15 |
| 1847, | ..... | 6,000 00 | 46,630 76 | 6,065 89 | 875 00 | ..... | 59,571 65 |
| 1848, | ..... | 6,000 00 | 57,493 78 | 8,558 88 | 881 87 | ..... | 72,934 54 |
| 1849, | ..... | 6,000 00 | 2,163 61 | 10,208 40 | 863 42 | ..... | 19,235 43 |
| 1850, | $120,000 00 | 5,000 01 | 10,131 25 | 4,983 72 | 777 04 | ..... | 140,892 02 |
| 1851, | ..... | ..... | 6,429 28 | 6,118 94 | 954 80 | ..... | 13,503 02 |
| 1852, | ..... | ..... | 1,750 92 | 7,975 12 | 925 42 | ..... | 10,651 46 |
| 1853, | ..... | ..... | ..... | 5,350 00 | 958 50 | ..... | 6,308 50 |
| 1854, | ..... | ..... | 1,719 65 | 5,122 08 | 922 04 | ..... | 7,763 77 |
| 1855, | ..... | ..... | 2,565 20 | 5,320 39 | 888 45 | ..... | 8,774 04 |
| 1856, | ..... | ..... | 780 00 | 694 16 | 888 02 | 3,240 08 | 5,602 26 |
| 1857, | ..... | ..... | 7,340 70 | 199 98 | 703 86 | 4,447 37 | 12,691 91 |
| 1858, | ..... | ..... | 584 20 | ..... | 542 25 | 9,803 46 | 10,929 91 |
| 1859, | ..... | ..... | 147 78 | ..... | 440 09 | 5,062 68 | 5,650 55 |
| 1860, | ..... | ..... | 467 24 | 125 00 | 670 34 | 5,037 54 | 6,300 12 |
| 1861, | ..... | ..... | 573 10 | ..... | 493 98 | 6,017 13 | 7,084 21 |
| 1862, | ..... | ..... | 284 90 | 2,468 94 | 635 69 | 4,692 38 | 8,081 91 |
| 1863, | ..... | ..... | 2,306 66 | ..... | 555 56 | 5,141 76 | 8,003 98 |
| 1864, | ..... | ..... | 13,446 85 | ..... | 579 27 | 23,363 40 | 37,389 52 |
| 1865, | ..... | ..... | 6,432 68 | ..... | 627 53 | 36,200 58 | 43,260 79 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1866, | ..... | ..... | 4,997 80 | 273 00 | 687 63 | 7,185 84 | 13,144 27 |
| 1867, | ..... | ..... | 240 50 | 406 14 | 660 98 | 6,999 00 | 8,297 62 |
| 1868, | ..... | ..... | 22,373 82 | ..... | 592 79 | 7,216 09 | 30,182 61 |
| 1869, | ..... | ..... | 43,092 10 | 933 32 | 659 26 | 6,584 94 | 51,269 62 |
| 1870, | ..... | ..... | ..... | 599 99 | 741 26 | 7,120 58 | 8,461 83 |
| 1871, | ..... | ..... | 5,729 32 | 63,931 28 | 673 98 | 8,298 96 | 78,633 54 |
| Total, | $120,000 00 | $112,787 68 | $404,723 01 | $193,961 10 | $27,364 29 | $146,405 91 | $1,005,241 99 |

* Nine months.

(No. 84.)

*STATEMENT of Receipts and payments on account of the Chenango Canal in each year, up to September 30, 1871, inclusive, viz.:*

| YEAR. | Loans. | Premiums on loans. | Discount on loans. | RECEIVED. | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Avails of loans. | Erie and Champlain tolls to redeem stock. | From Sinking Fund. | Tolls. | Miscellaneous. | Total. |
| 1833 | $50,000 00 | $7,755 00 | | $57,755 00 | | | | | $57,775 00 |
| 1834 | 950,000 00 | 66,255 00 | | 1,016,255 00 | | | | $3,438 69 | 1,019,693 69 |
| 1835 | | | | | | | | 40,229 42 | 49,229 42 |
| 1836 | 650,000 00 | 13,000 00 | | 663,000 00 | | | | 3,075 33 | 666,075 33 |
| 1837 | 620,000 00 | 5,979 67 | | 625,979 67 | | | $4,081 62 | 90 00 | 630,151 52 |
| 1838 | 92,535 66 | | | 92,535 66 | | | 16,751 12 | 125 00 | 109,411 78 |
| 1839 | 20,000 00 | 500 00 | | 20,500 00 | | | 18,050 33 | | 38,550 33 |
| 1840 | 20,000 00 | | $975 00 | 19,025 00 | | | 14,023 22 | 114 00 | 33,162 32 |
| 1841 | | | | | | | 16,893 02 | | 16,893 02 |
| 1842 | 6,102 34 | | | 6,102 34 | | | 15,330 57 | | 21,432 91 |
| 1843 | 8,362 00 | | | 8,362 00 | | | 14,668 94 | | 23,030 94 |
| 1844 | 3,000 00 | | | 3,000 00 | | | 20,983 05 | | 23,983 05 |
| 1845 | | | | | $2,362,535 66 | | 23,920 66 | | 23,920 66 |
| 1846 | | | | | | | 25,578 76 | | 2,388,114 42 |
| 1847 | | | | | | $3,278 88 | 25,620 01 | | 28,898 89 |
| 1848 | | | | | | 3,278 88 | 28,091 66 | 6,591 56 | 37,962 10 |
| 1849 | | | | | | 9,274 43 | 28,028 98 | 3,527 45 | 40,830 86 |
| 1850 | | | | | | 2,851 72 | 20,343 65 | 7,801 91 | 30,997 28 |
| 1851 | | | | | | 2,351 72 | 19,732 35 | 973 55 | 23,057 62 |
| 1852 | | | | | | 21,651 72 | 16,891 62 | 30 24 | 38,573 58 |
| 1853 | | | | | | 1,651 72 | 18,107 89 | | 19,759 61 |
| 1854 | | | | | | 20,901 72 | 19,496 15 | | 40,397 87 |
| 1855 | | | | | | 651 72 | 20,302 08 | 3,097 35 | 24,051 15 |
| 1856 | | | | | | 651 72 | 18,634 62 | 204 69 | 19 491 00 |
| 1857 | | | | | | 651 72 | 22,969 47 | | 23,621 19 |
| 1858 | | | | | | 651 72 | 15,305 64 | 127 43 | 16,084 79 |
| 1859 | | | | | | 651 72 | 17,801 72 | 1,799 02 | 20,252 46 |
| 1860 | | | | | | 8,888 29 | 22,214 37 | 11,472 00 | 42,574 66 |
| 1861 | | | | | | 150 00 | 23,397 24 | 41 46 | 23,588 70 |
| 1862 | | | | | | 3,100 00 | 22,155 95 | | 25,255 94 |
| 1863 | | | | | | | 24,354 87 | 5,794 66 | 30,149 52 |
| 1864 | | | | | | | 30,033 43 | 774 68 | 30,809 11 |
| 1865 | | | | | | | 21,710 98 | 15,850 45 | 37,561 43 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1866, | ..... | ..... | ..... | ..... | ..... | ..... | 28,534 53 | 164,227 97 | 192,762 50 |
| 1867, | ..... | ..... | ..... | ..... | ..... | ..... | 28,871 49 | 567,082 00 | 595,953 49 |
| 1868, | ..... | ..... | ..... | ..... | ..... | ..... | 25,074 73 | 174,779 17 | 199,853 90 |
| 1869, | ..... | ..... | ..... | ..... | ..... | ..... | 21,654 01 | 257,426 72 | 279,080 73 |
| 1870, | ..... | ..... | ..... | ..... | ..... | ..... | 20,544 55 | 408,504 29 | 429,048 84 |
| 1871, | ..... | ..... | ..... | ..... | ..... | ..... | 8,981 38 | 141,928 97 | 150,910 35 |
| Total, | $2,420,000 00 | $93,489 67 | $975 00 | $2,512,514 67 | $2,362,535 66 | $80,637 68 | $719,135 75 | $1,828,108 21 | $7,502,931 97 |
| Deficiencies paid General Fund and Erie and Champlain canals, | | | | | | | | | 2,194,141 24 |
| | | | | | | | | | $9,697,073 21 |

## No. 84 —(*Continued*).

## CHENANGO CANAL.

| YEAR. | DEFICIENCIES. | | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Paid by the General Fund. | Paid by the Erie and Champlain canals. | Principal of loans. | Interest on loans. | Surplus tolls to Erie and Cham. canals. | Canal Commissioners. | Superintendents of repairs. | Expenses of collectors and inspectors. | Miscellaneous. | Total. |
| 1833, | ..... | ..... | ..... | $1,042 81 | ..... | $9,222 65 | ..... | ..... | $57 33 | $10,322 79 |
| 1834, | ..... | ..... | ..... | 25,619 86 | ..... | 211,013 44 | ..... | ..... | ..... | 236,633 30 |
| 1835, | ..... | ..... | ..... | 50,000 00 | ..... | 651,782 45 | ..... | ..... | 67 36 | 701,849 81 |
| 1836, | ..... | ..... | ..... | 65,637 81 | ..... | 911,035 10 | ..... | ..... | 228 90 | 976,901 81 |
| 1837, | $102,749 16 | ..... | ..... | 88,227 39 | ..... | 480,807 02 | $18,663 62 | ..... | 315 81 | 588,013 84 |
| 1838, | 136,042 97 | ..... | ..... | 133,445 66 | ..... | 65,759 17 | 20,270 95 | $1,074 85 | 35 48 | 220,586 11 |
| 1839, | 118,994 25 | ..... | ..... | 118,426 80 | ..... | 47,458 98½ | 16,990 64 | 1,576 00 | 803 60 | 185,256 02½ |
| 1840, | 121,774 37 | ..... | ..... | 119,575 79 | ..... | 12,232 90 | 14,775 24 | 1,559 66 | 4,417 36½ | 152,561 95½ |
| 1841, | ..... | $122,003 21 | ..... | 120,326 76 | ..... | 5,349 47 | 16,638 05 | 1,931 42 | 563 88 | 144,809 58 |
| 1842, | ..... | 125,408 50 | ..... | 120,450 79 | ..... | 5,075 33 | 18,467 28 | 1,821 00 | 6,291 85 | 152,106 25 |
| 1843, | ..... | 123,618 04 | ..... | 120,974 23 | ..... | 668 05 | 15,917 35 | 1,395 40 | 2,624 08 | 141,579 11 |
| 1844, | ..... | 117,246 44 | ..... | 121,295 96 | ..... | 3,942 72 | 15,700 51 | 1,233 02 | 1,346 59 | 143,518 80 |
| 1845, | ..... | 116,936 47 | ..... | 121,374 89 | ..... | 153 95 | 18,283 33 | 1,198 91 | ..... | 141,011 08 |
| 1846, | ..... | 26,799 40 | $2,336,310 66 | 33,219 03 | ..... | 152 47 | 17,827 13 | 1,332 00 | 730 98 | 2,389,572 27 |
| 1847, | ..... | ..... | 22,195 00 | 3,278 88 | $3,983 97 | 2,704 28 | 18,404 54 | 1,226 00 | 842 77 | 52,635 44 |
| 1848, | ..... | ..... | 3,430 00 | 3,278 88 | 5,897 85 | 119 06 | 20,471 02 | 1,418 49 | 7,264 72 | 41,880 02 |
| 1849, | ..... | 1,261 35 | 6,702 34 | 3,172 09 | ..... | 817 88 | 27,772 21 | 1,442 12 | 2,785 57 | 42,692 21 |
| 1850, | ..... | 6,037 60 | ..... | 2,851 72 | ..... | 5,051 91 | 25,071 12 | 1,237 68 | 2,822 45 | 37,034 88 |
| 1851, | ..... | 12,975 92 | ..... | 2,351 72 | ..... | 1,064 75 | 31,110 32 | 1,426 08 | 80 67 | 36,033 54 |
| 1852, | ..... | 25,236 34 | 20,000 00 | 1,651 72 | ..... | 6,112 00 | 34,706 26 | 1,339 94 | ..... | 63,809 92 |
| 1853, | ..... | 21,143 62 | ..... | 1,651 72 | ..... | ..... | 37,752 37 | 1,400 79 | 98 35 | 40,903 23 |
| 1854, | ..... | 31,383 42 | 20,000 00 | 901 72 | ..... | ..... | 49,476 20 | 1,403 37 | ..... | 71,781 29 |
| 1855, | ..... | 25,502 96 | ..... | 651 72 | ..... | 3,095 35 | 44,250 04 | 1,557 00 | ..... | 49,554 11 |
| 1856, | ..... | 6,009 47 | ..... | 651 72 | ..... | 1,589 35 | 10,301 24 | 1,723 86 | 22,234 30 | 25,500 47 |
| 1857, | ..... | 7,196 60 | ..... | 551 72 | ..... | 160 00 | 2,276 18 | 1,923 39 | 25,806 50 | 30,817 79 |
| 1858, | ..... | 32,011 08 | ..... | 651 72 | ..... | 616 21 | 23,785 09 | 1,981 10 | 21,061 75 | 48,095 87 |
| 1859, | ..... | 10,070 39 | ..... | 651 72 | ..... | 1,933 72 | 3,450 19 | 1,383 66 | 22,910 56 | 30,329 85 |
| 1860, | ..... | 8,619 89 | 8,362 00 | 526 29 | ..... | 11,757 84 | 1,893 95 | 1,761 37 | 25,175 90 | 49,477 55 |
| 1861, | ..... | 40,046 00 | ..... | 150 00 | ..... | 39,097 72 | 1,210 98 | 1,744 35 | 21,431 65 | 63,634 70 |
| 1862, | ..... | 21,564 25 | 3,000 00 | 100 00 | ..... | 12,577 91 | 1,215 98 | 1,860 74 | 28,065 56 | 46,820 19 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1863, ..... | ..... | 13,474 28 | ..... | ..... | ..... | 9,357 43 | 1,620 78 | 1,904 36 | 31,741 24 | 44,623 81 |
| 1864, ..... | ..... | 51,062 20 | ..... | ..... | ..... | 38,410 12 | 3,210 97 | 2,107 10 | 38,143 12 | 81,871 31 |
| 1865, ..... | ..... | 117,597 57 | ..... | ..... | ..... | 51,983 95 | 4,039 74 | 2,654 17 | 96,481 14 | 155,159 00 |
| 1866, ..... | ..... | 89,116 18 | ..... | ..... | ..... | 191,021 01 | 12,333 31 | 2,888 49 | 76,352 87 | 282,575 68 |
| 1867, ..... | ..... | 116,143 40 | ..... | ..... | ..... | 654,088 55 | 2,363 48 | 2,809 85 | 52,835 01 | 712,096 89 |
| 1868, ..... | ..... | 123,756 43 | ..... | ..... | ..... | 256,122 72 | ..... | 2,471 68 | 65,016 93 | 323,610 33 |
| 1869, ..... | ..... | 33,087 29 | ..... | ..... | ..... | 261,536 00 | 3,249 98 | 2,775 52 | 44,606 52 | 312,168 02 |
| 1870, ..... | ..... | 112,550 97 | ..... | ..... | ..... | 447,674 79 | 17,373 56 | 2,935 89 | 73,615 57 | 541,599 81 |
| 1871, ..... | ..... | 176,714 22 | ..... | ..... | ..... | 194,130 89 | 87,776 30 | 2,531 14 | 43,186 24 | 327,624 57 |
| Total, ..... | $479,560 75 | $1,714,580 49 | $2,420,000 00 | $1,262,792 12 | $9,881 82 | $4,595,677 14½ | $638,649 91 | $61,030 60 | $709,041 61½ | $9,697,073 21 |

(No. 85.)—*STATEMENT of Receipts and payments on account of the Black River Canal, in each year, up to the 30th September, 1871, inclusive, viz.:*

| YEAR. | Loans. | Premium on loans. | Discount on loans. | RECEIVED. Avails of loans. | Temporary loans. | Interest on deposits. | From Sinking Fund. | From other funds. | Tolls. | Miscellaneous. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1837, | $179,155 51 | $14,079 66 | ..... | $193,235 17 | ..... | ..... | ..... | ..... | ..... | ..... | $193,235 17 |
| 1838, | 412,290 50 | 7,550 53 | ..... | 419,841 12 | ..... | $11,825 65 | ..... | ..... | ..... | ..... | 491,666 77 |
| 1839, | ..... | ..... | ..... | ..... | ..... | 5,980 94 | ..... | $16,462 96 | ..... | ..... | 52,443 90 |
| 1840, | 208,553 90 | ..... | ..... | 208,553 90 | $150,000 00 | 2,719 89 | ..... | 243,634 70 | ..... | ..... | 604,908 49 |
| 1841, | 276,706 23 | ..... | $26,706 23 | 250,000 00 | 200,000 00 | 2,487 21 | ..... | ..... | ..... | ..... | 452,487 21 |
| 1842, | 365,988 65 | ..... | ..... | 365,988 65 | 18,967 00 | ..... | ..... | ..... | ..... | ..... | 384,955 65 |
| 1843, | 30,305 12 | ..... | ..... | 50,305 12 | ..... | ..... | ..... | ..... | ..... | ..... | 50,305 12 |
| 1844, | 13,000 00 | ..... | ..... | 13,000 00 | ..... | ..... | ..... | ..... | ..... | ..... | 13,000 00 |
| 1845, | 38,000 00 | ..... | ..... | 38,000 00 | ..... | ..... | ..... | ..... | ..... | ..... | 38,000 00 |
| 1846, | 20,000 00 | ..... | ..... | 20,000 00 | ..... | ..... | $86,122 84 | ..... | ..... | ..... | 20,000 00 |
| 1847, | ..... | ..... | ..... | ..... | ..... | ..... | 86,122 84 | 100,000 00 | ..... | ..... | 186,122 84 |
| 1848, | ..... | ..... | ..... | ..... | ..... | ..... | 435,881 68 | 149,563 83 | ..... | ..... | 235,686 67 |
| 1849, | ..... | ..... | ..... | ..... | ..... | ..... | 61,203 63 | 174,272 96 | ..... | ..... | 610,154 64 |
| 1850, | ..... | ..... | ..... | ..... | ..... | ..... | 527,042 86 | 100,618 44 | $1,115 73 | $2,093 09 | 165,030 89 |
| 1851, | ..... | ..... | ..... | ..... | ..... | ..... | 334,964 06 | 76,359 30 | 3,824 73 | 672 39 | 607,909 25 |
| 1852, | ..... | ..... | ..... | ..... | ..... | ..... | 21,203 63 | 119,194 41 | 4,166 65 | 64 26 | 458,388 75 |
| 1853, | ..... | ..... | ..... | ..... | ..... | ..... | 21,203 63 | 93,353 79 | 5,546 32 | ..... | 120,103 74 |
| 1854, | ..... | ..... | ..... | ..... | ..... | ..... | 21,203 63 | 55,686 72 | 5,843 42 | ..... | 82,733 37 |
| 1855, | ..... | ..... | ..... | ..... | ..... | 3,000 00 | 21,283 06 | 51,349 24 | 6,808 05 | 100 00 | 82,549 35 |
| 1856, | ..... | ..... | ..... | ..... | ..... | 2,000 00 | 21,203 63 | 54,837 44 | 5,594 10 | 5,668 14 | 89,303 31 |
| 1857, | ..... | ..... | ..... | ..... | ..... | ..... | 21,388 29 | 50,000 00 | 6,575 22 | 18,584 97 | 96,548 48 |
| 1858, | ..... | ..... | ..... | ..... | ..... | ..... | 285,551 03 | 103,088 04 | 4,998 48 | 172 13 | 393,809 68 |
| 1859, | ..... | ..... | ..... | ..... | ..... | ..... | 16,268 31 | 18,810 84 | 5,963 02 | ..... | 41,042 17 |
| 1860, | ..... | ..... | ..... | ..... | ..... | ..... | 66,768 85 | 100,325 28 | 6,330 71 | ..... | 173,424 84 |
| 1861, | ..... | ..... | ..... | ..... | ..... | ..... | 3,750 00 | 72,389 31 | 6,112 73 | 3,477 65 | 85,729 69 |
| 1862, | ..... | ..... | ..... | ..... | ..... | ..... | 53,900 00 | 41,147 54 | 8,647 82 | 244 86 | 103,940 22 |
| 1863, | ..... | ..... | ..... | ..... | ..... | ..... | 1,200 00 | 7,083 62 | 10,172 66 | 78 26 | 18,534 54 |
| 1864, | ..... | ..... | ..... | ..... | ..... | ..... | 20,900 00 | 17,606 77 | 10,078 30 | ..... | 48,585 07 |
| 1865, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 56,614 50 | 10,985 87 | ..... | 67,600 37 |
| 1866, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,783 99 | 11,802 81 | 1,647 01 | 20,233 81 |
| 1867, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14,309 19 | 12,993 01 | ..... | 27,302 20 |
| 1868, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14,210 66 | 10,432 62 | ..... | 24,643 28 |
| 1869, | ..... | ..... | ..... | ..... | 14,000 00 | ..... | ..... | 6,983 52 | 11,810 30 | ..... | 32,793 82 |
| 1870, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11,992 24 | 54,232 60 | 66,224 84 |
| 1871, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,313 03 | 36,411 72 | 48,724 75 |
| Total, | $1,564,000 00 | $21,630 19 | $26,706 23 | $1,558,923 96 | $382,967 00 | $28,013 69 | $2,085,958 34 | $1,774,687 05 | $174,117 22 | $123,447 02 | $6,128,114 28 |

| | |
|---|---|
| Deficiencies paid by General Fund and Erie and Champlain canals, | 1,295,233 85 |
| | $7,423,348 13 |

No. 85 — (*Continued*).

# BLACK RIVER CANAL.

| YEAR. | DEFICIENCIES. | | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Paid by the General Fund. | Paid by the Erie & Champlain canals. | Principal of the loans. | Temporary loans. | Interest on the loans. | Canal Commissioners. | Superintendents. | Collectors. | Miscellaneous. | Total. |
| 1837, | ..... | ..... | ..... | ..... | $2,239 44 | $5,255 55 | ..... | ..... | ..... | $7,494 99 |
| 1838, | ..... | ..... | ..... | ..... | 29,263 97 | 97,735 21 | ..... | ..... | $125 00 | 127,124 18 |
| 1839, | ..... | ..... | ..... | ..... | 29,572 28 | 513,154 39 | ..... | ..... | ..... | 542,726 67 |
| 1840, | $58,711 89 | ..... | ..... | ..... | 39,792 87 | 537,794 74 | ..... | ..... | 110 39 | 577,698 00 |
| 1841, | ..... | $50,681 18 | ..... | $150,000 00 | 53,168 39 | 338,973 06 | ..... | ..... | 32 88 | 539,174 33 |
| 1842, | ..... | 74,186 24 | ..... | 200,000 00 | 74,286 24 | 234,824 34 | ..... | ..... | 47 75 | 509,058 33 |
| 1843, | ..... | 82,641 08 | ..... | ..... | 81,641 08 | 24,928 61 | ..... | ..... | ..... | 106,569 69 |
| 1844, | ..... | 83,171 09 | ..... | 18,667 00 | 83,171 09 | 13,528 33 | ..... | ..... | 480 75 | 117,147 17 |
| 1845, | ..... | 84,400 46 | ..... | ..... | 84,400 46 | 39,147 14 | ..... | ..... | 672 95 | 124,220 55 |
| 1846, | ..... | 85,240 30 | ..... | ..... | 85,240 30 | 12,852 14 | ..... | ..... | 820 12 | 98,912 56 |
| 1847, | ..... | ..... | ..... | ..... | 86,122 84 | 12,326 24 | ..... | ..... | 545 66 | 98,994 74 |
| 1848, | ..... | ..... | ..... | ..... | 86,122 84 | 108,522 95 | ..... | ..... | 9,262 37 | 203,908 16 |
| 1849, | ..... | ..... | $355,988 65 | ..... | 79,833 03 | 233,373 97 | ..... | ..... | 112 25 | 669,367 90 |
| 1850, | ..... | 8,898 70 | ..... | ..... | 61,203 63 | 151,492 03 | $10,014 52 | ..... | 216 16 | 222,926 34 |
| 1851, | ..... | 22,236 53 | 486,514 85 | ..... | 40,528 01 | 95,590 17 | 25,753 83 | $317 43 | 1,046 26 | 649,750 55 |
| 1852, | ..... | 25,704 22 | 313,485 15 | ..... | 21,478 91 | 118,356 30 | 29,404 55 | 529 95 | 838 11 | 484,092 97 |
| 1853, | ..... | 19,423 53 | ..... | ..... | 21,203 63 | 31,957 28 | 24,443 88 | 525 97 | 395 44 | 78,526 20 |
| 1854, | ..... | 31,608 39 | ..... | ..... | 21,203 63 | 33,026 36 | 30,500 35 | 554 15 | 329 20 | 85,613 99 |
| 1855, | ..... | 29,616 30 | ..... | ..... | 21,203 63 | 105,539 77 | 35,671 38 | 752 97 | 364 26 | 163,531 95 |
| 1856, | ..... | 12,191 33 | ..... | ..... | 21,203 63 | 93,437 29 | 10,855 81 | 764 34 | 13,582 81 | 139,848 88 |
| 1857, | ..... | 8,423 15 | ..... | ..... | 21,203 63 | 61,664 72 | 1,613 45 | 783 67 | 19,706 16 | 104,971 63 |
| 1858, | ..... | 14,123 15 | 267,806 23 | ..... | 17,744 80 | 41,297 38 | 3,062 48 | 824 40 | 35,510 74 | 366,246 03 |
| 1859, | ..... | 21,607 63 | 8,900 00 | ..... | 7,368 31 | 16,623 62 | 1,843 98 | 627 86 | 28,010 29 | 62,774 06 |
| 1860, | ..... | 18,646 54 | 60,305 12 | ..... | 6,463 73 | 101,030 62 | 366 66 | 862 67 | 21,929 80 | 190,958 60 |
| 1861, | ..... | 17,192 05 | ..... | ..... | 3,756 00 | 103,593 31 | 6,173 28 | 667 13 | 17,264 93 | 131,448 65 |
| 1862, | ..... | 14,935 27 | 51,000 00 | ..... | 2,900 00 | 32,870 86 | 2,183 53 | 640 85 | 21,528 04 | 112,123 28 |
| 1863, | ..... | 10,696 18 | ..... | ..... | 1,200 00 | 10,953 54 | 3,491 19 | 574 76 | 25,066 18 | 40,385 67 |
| 1864, | ..... | 13,565 12 | 20,000 00 | ..... | 900 00 | 1,860 84 | 6,142 25 | 503 16 | 19,352 93 | 48,759 18 |
| 1865, | ..... | 48,912 70 | ..... | ..... | ..... | 30,229 68 | 9,582 68 | 613 25 | 41,636 21 | 82,061 83 |
| 1866, | ..... | 37,863 30 | ..... | ..... | ..... | 25,339 11 | 13,745 68 | 697 76 | 33,279 50 | 73,062 05 |
| 1867, | ..... | 30,732 14 | ..... | ..... | ..... | 30,502 78 | 2,538 30 | 709 00 | 41,140 26 | 74,890 34 |
| 1868, | ..... | 25,720 68 | ..... | ..... | ..... | 31,011 41 | ..... | 757 07 | 35,729 48 | 67,497 96 |
| 1869, | ..... | 57,712 25 | ..... | ..... | ..... | 29,773 26 | 5,168 00 | 1,352 09 | 62,580 26 | 98,873 61 |
| 1870, | ..... | 189,417 75 | ..... | ..... | ..... | 60,814 40 | 49,913 31 | 1,913 83 | 142,441 05 | 255,082 59 |
| 1871, | ..... | ..... | ..... | ..... | ..... | 54,055 36 | 98,494 22 | 1,981 26 | 12,169 00 | 166,699 87 |
| Total, | $58,711 89 | $1,118,546 84 | $1,564,000 00 | $368,967 00 | $1,084,370 37 | $3,430,936 79 | $370,963 33 | $16,953 57 | $586,332 14 | $7,422,528 20 |

| | |
|---|---|
| Balance on hand 30th September, 1871, | 824 93 |
| | $7,423,348 13 |

(No. 86.)

*STATEMENT of Receipts and Payments on account of the Genesee Valley canal, in each year, up to the 30th September,* 1871, *inclusive, viz.:*

| YEAR. | Loans. | Premium on loans. | Discount on loans. | RECEIVED. Avails of loans. | Temporary loans. | From Sinking Fund. | From other funds. | Tolls. | Interest on deposits. | Miscellaneous. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1837, | $11,764 71 | $1,315 29 | ..... | $13,080 00 | ..... | ..... | ..... | ..... | ..... | ..... | $13,080 00 |
| 1838, | 1,988,235 29 | 791 26 | ..... | 1,989,026 55 | ..... | ..... | ..... | ..... | $90,120 52 | ..... | 2,079,147 07 |
| 1839, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 64,580 14 | ..... | 64,580 14 |
| 1840, | 250,000 00 | ..... | $25,000 00 | 225,000 00 | ..... | ..... | ..... | ..... | 25,926 30 | ..... | 350,926 30 |
| 1841, | 306,379 82 | ..... | 31,379 82 | 275,000 00 | $100,000 00 | ..... | ..... | $12,275 44 | 4,092 70 | ..... | 546,368 14 |
| 1842, | 810,376 62 | ..... | ..... | 810,376 62 | 455,000 00 | ..... | ..... | 12,075 97 | ..... | ..... | 822,452 59 |
| 1843, | 186,243 56 | 10,000 00 | ..... | 196,243 56 | ..... | ..... | ..... | 13,734 52 | ..... | ..... | 209,978 08 |
| 1844, | 186,000 00 | 3,000 00 | ..... | 189,000 00 | ..... | ..... | ..... | 18,586 52 | ..... | ..... | 202,586 52 |
| 1845, | 65,000 00 | ..... | ..... | 55,000 00 | ..... | ..... | ..... | 20,484 17 | ..... | ..... | 75,484 17 |
| 1846, | 91,000 00 | ..... | ..... | 91,000 00 | ..... | ..... | ..... | 24,182 60 | ..... | ..... | 115,182 60 |
| 1847, | ..... | ..... | ..... | ..... | ..... | $213,129 97 | $128,000 00 | 25,055 20 | ..... | ..... | 366,185 17 |
| 1848, | ..... | ..... | ..... | ..... | ..... | 213,129 97 | 216,960 88 | 26,012 50 | 1,092 60 | ..... | 457,195 95 |
| 1849, | ..... | ..... | ..... | ..... | ..... | 999,500 00 | 177,575 34 | 25,234 04 | 637 35 | ..... | 1,202,946 73 |
| 1850, | ..... | ..... | ..... | ..... | ..... | 157,103 61 | 132,702 65 | 28,821 98 | ..... | $22,236 61 | 340,864 85 |
| 1851, | ..... | ..... | ..... | ..... | ..... | 157,103 61 | 139,246 62 | 25,451 36 | ..... | 7,542 13 | 329,343 71 |
| 1852, | ..... | ..... | ..... | ..... | ..... | 157,103 61 | 209,077 29 | 25,064 39 | ..... | ..... | 391,245 29 |
| 1853, | ..... | ..... | ..... | ..... | ..... | 157,103 61 | 259,786 98 | 30,183 73 | ..... | ..... | 447,074 31 |
| 1854, | ..... | ..... | ..... | ..... | ..... | 158,726 27 | 66,425 10 | 30,662 08 | ..... | ..... | 255,813 45 |
| 1855, | ..... | ..... | ..... | ..... | ..... | 172,148 84 | 119,437 89 | 28,390 12 | 1,500 00 | ..... | 321,476 85 |
| 1856, | ..... | ..... | ..... | ..... | ..... | 157,295 61 | 90,986 41 | 23,365 84 | 2,000 00 | 3,568 16 | 277,216 02 |
| 1857, | ..... | ..... | ..... | ..... | ..... | 189,296 88 | 32,000 00 | 25,866 70 | ..... | 11,723 56 | 258,987 14 |
| 1858, | ..... | ..... | ..... | ..... | ..... | 693,199 08 | 110,955 64 | 25,651 07 | ..... | ..... | 829,805 79 |
| 1859, | ..... | ..... | ..... | ..... | ..... | 142,331 61 | 10,053 80 | 28,163 93 | ..... | 785 01 | 181,834 35 |
| 1860, | ..... | ..... | ..... | ..... | ..... | 322,584 52 | 75,256 03 | 30,801 74 | ..... | 530 08 | 428,972 37 |
| 1861, | ..... | ..... | ..... | ..... | ..... | 1,992,510 00 | 24,893 34 | 29,189 60 | ..... | 512 71 | 2,047,105 65 |
| 1862, | ..... | ..... | ..... | ..... | ..... | 277,493 33 | 66,052 80 | 28,697 27 | ..... | 100 00 | 372,343 40 |
| 1863, | ..... | ..... | ..... | ..... | ..... | 22,460 00 | 10,924 68 | 32,747 98 | ..... | ..... | 66,132 66 |
| 1864, | ..... | ..... | ..... | ..... | ..... | 95,095 00 | 14,878 95 | 27,562 66 | ..... | 267 91 | 137,804 52 |
| 1865, | ..... | ..... | ..... | ..... | ..... | ..... | 52,833 19 | 15,785 16 | ..... | 2,625 25 | 71,263 60 |
| 1866, | ..... | ..... | ..... | ..... | ..... | ..... | 73,638 57 | 17,724 01 | ..... | 48 81 | 91,411 39 |
| 1867, | ..... | ..... | ..... | ..... | ..... | ..... | 64,960 16 | 25,394 63 | ..... | ..... | 90,354 79 |
| 1868, | ..... | ..... | ..... | ..... | ..... | ..... | 25,123 91 | 23,770 88 | ..... | ..... | 48,894 79 |
| 1869, | ..... | ..... | ..... | ..... | ..... | 10,000 00 | 156,024 57 | 22,216 80 | ..... | 30 00 | 188,271 37 |
| 1870, | ..... | ..... | ..... | ..... | ..... | ..... | 236,474 45 | 17,736 86 | ..... | 911 84 | 255,122 65 |
| 1871, | ..... | ..... | ..... | ..... | ..... | ..... | 121,600 83 | 18,895 17 | ..... | ..... | 140,496 00 |
| Total, | $3,885,000 00 | $15,106 55 | $56,379 82 | $3,843,726 73 | $555,000 00 | $6,287,815 52 | $2,615,890 08 | $739,884 42 | $189,949 61 | $50,682 06 | $14,282,948 42 |

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|---|---|
| Deficiencies paid by General Fund and Erie and Champlain canals, | 2,637,173 09 |
| | $16,920,121 51 |

No. 86—(*Continued*).

# GENESEE VALLEY CANAL.

| YEAR. | DEFICIENCIES. | | PAID. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Paid by the General Fund. | Paid by the Erie and C. canals. | Principal of loans. | Temporary loans. | Interest on loans. | Surplus tolls to Erie and C. canals. | Canal Commissioners. | Superintendents of repairs. | Collectors. | Miscellaneous. | Total. |
| 1837, | | | | | $147 06 | | $22,371 86 | | | | $22,518 92 |
| 1838, | | | | | 100,000 00 | | 229,161 20 | | | | 329,161 20 |
| 1839, | $43,339 85 | | | | 100,000 00 | | 764,182 61 | | | $1,340 00 | 865,522 61 |
| 1840, | 78,852 44 | | | | 102,602 74 | | 1,151,653 97 | $2,176 00 | | 7,396 19 | 1,263,828 90 |
| 1841, | | $123,370 26 | | $100,000 00 | 126,062 76 | | 612,760 50 | 12,750 91 | $924 73 | 188 55 | 852,687 45 |
| 1842, | | 178,773 56 | | 455,000 00 | 171,478 22 | | 520,409 56 | 18,062 75 | 1,308 56 | 912 18 | 1,167,171 27 |
| 1843, | | 190,509 96 | | | 188,982 85 | | 170,667 75 | 13,669 85 | 1,591 78 | 1,846 17 | 376,758 40 |
| 1844, | | 196,794 74 | | | 188,120 75 | | 202,106 67 | 15,719 96 | 1,540 55 | 1,197 61 | 418,685 54 |
| 1845, | | 201,874 59 | | | 205,201 27 | | 35,311 25 | 15,776 49 | 1,381 00 | 26,428 16 | 284,098 17 |
| 1846, | | 204,022 19 | | | 209,126 59 | | 39,328 58 | 17,614 20 | 1,464 00 | 740 15 | 268,273 52 |
| 1847, | | | | | 213,129 97 | $7,766 87 | 10,441 67 | 15,782 32 | 1,506 01 | 1,414 17 | 250,041 01 |
| 1848, | | 2,520 46 | | | 213,129 97 | | 33,035 89 | 26,987 41 | 1,545 55 | 9,534 91 | 284,233 73 |
| 1849, | | | $800,376 62 | | 199,123 38 | 6,442 78 | 184,768 71 | 17,244 51 | 1,546 75 | 35,016 86 | 1,244,519 51 |
| 1850, | | | | | 157,103 61 | 10,084 83 | 375,164 73 | 17,350 00 | 1,387 15 | 162 67 | 561,252 99 |
| 1851, | | 11,249 23 | | | 157,103 61 | | 229,380 52 | 34,478 74 | 2,221 85 | 691 36 | 423,876 08 |
| 1852, | | 51,318 27 | | | 157,103 61 | | 208,930 94 | 73,290 05 | 3,092 61 | 146 35 | 442,563 56 |
| 1853, | | 31,909 56 | | | 157,103 61 | | 182,546 38 | 59,291 41 | 2,801 88 | 7,419 97 | 409,163 25 |
| 1854, | | 19,220 95 | | | 157,103 61 | | 98,939 79 | 44,759 69 | 3,123 34 | 1,684 04 | 305,610 47 |
| 1855, | | 25,904 64 | | | 157,103 61 | | 123,680 58 | 51,417 00 | 2,877 76 | 1,370 96 | 336,449 91 |
| 1856, | | 12,039 69 | | | 157,103 61 | | 123,820 60 | 22,192 85 | 3,367 25 | 11,033 18 | 317,517 49 |
| 1857, | | 38,545 56 | | | 157,103 61 | | 69,879 20 | 41,032 14 | 3,891 52 | 47,540 59 | 319,447 06 |
| 1858, | | 64,889 35 | 542,832 82 | | 150,148 86 | | 74,256 35 | 49,136 90 | 4,634 71 | 46,189 54 | 867,199 18 |
| 1859, | | 26,308 33 | 13,547 00 | | 129,284 61 | | 59,856 73 | 33,372 43 | 3,691 25 | 18,455 80 | 258,207 82 |
| 1860, | | 20,129 95 | 196,243 50 | | 126,340 96 | | 78,909 86 | 12,261 70 | 4,488 03 | 30,041 18 | 448,325 34 |
| 1861, | | 6,459 82 | 1,950,000 00 | | 42,510 00 | | 15,164 32 | 1,707 64 | 2,982 93 | 27,238 17 | 2,039,603 06 |
| 1862, | | 41,782 77 | 264,000 00 | | 13,493 33 | | 46,413 77 | 16,261 06 | 2,609 70 | 51,277 65 | 394,055 51 |
| 1863, | | 31,375 63 | 17,000 00 | | 5,460 00 | | 16,989 48 | 3,413 06 | 2,664 77 | 53,831 21 | 99,358 52 |
| 1864, | | 125,056 73 | 91,000 00 | | 4,095 00 | | 17,702 09 | 18,499 68 | 2,762 76 | 129,945 38 | 264,004 91 |
| 1865, | | 238,732 82 | | | | | 49,062 48 | 97,346 75 | 3,278 73 | 159,027 27 | 308,715 21 |
| 1866, | | 93,110 58 | | | | | 80,875 68 | 14,822 51 | 3,576 53 | 92,475 42 | 191,750 14 |
| 1867, | | 66,772 10 | | | | | 67,930 07 | 15,399 26 | 3,548 26 | 70,249 30 | 157,126 89 |
| 1868, | | 74,908 54 | | | | | 46,210 22 | | 3,332 14 | 74,260 97 | 123,803 33 |
| 1869, | | 100,122 00 | 10,000 00 | | | | 209,474 21 | 13,806 27 | 3,450 94 | 51,661 95 | 288,393 37 |
| 1870, | | 138,990 59 | | | | | 250,494 55 | 109,239 54 | 3,982 35 | 80,446 80 | 394,113 24 |
| 1871, | | 201,587 93 | | | | | 124,872 44 | 202,127 71 | 3,639 20 | 11,444 58 | 342,083 93 |
| Total, | $122,192 29 | $2,514,980 80 | $3,885,000 00 | $555,000 00 | $3,755,267 20 | 24,294 48 | $6,526,795 21 | $1,086,990 79 | $84,164 64 | $1,002,609 18 | $16,920,121 51 |

(No. 87.)

*STATEMENT of the Receipts and Payments on account of the Oneida Lake Canal, in each year, up to the 30th September, 1871, inclusive, viz.:*

| YEAR. | RECEIVED. | | | | | Deficiencies paid by Erie and Champlain canals. | PAID. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Loans. | From Sinking Fund. | Tolls. | Miscellaneous. | Total. | | Principal of loans. | Purchase of canal and feeder. | Interest on loans. | Superintendents. | Collectors. | Surplus tolls to Erie and Champl'in canals. | Miscellaneous. | Total. |
| 1841, | $50,000 00 | ..... | $294 58 | ..... | $50,294 58 | $3,319 82 | ..... | $50,000 00 | $1,616 09 | $2,332 81 | $115 50 | ..... | ..... | $53,614 40 |
| 1842, | ..... | ..... | 471 85 | ..... | 471 85 | 7,857 41 | ..... | ..... | 2,500 00 | 5,554 15 | 275 11 | ..... | ..... | 8,329 26 |
| 1843, | ..... | ..... | 475 04 | ..... | 475 04 | 4,513 56 | ..... | ..... | 2,500 00 | 2,234 25 | 254 35 | ..... | ..... | 4,988 60 |
| 1844, | ..... | ..... | 683 67 | ..... | 683 67 | 3,786 19 | ..... | ..... | 2,500 00 | 1,619 86 | 350 00 | ..... | ..... | 4,469 86 |
| 1845, | ..... | ..... | 678 66 | ..... | 678,66 | 3,477 79 | ..... | ..... | 2,500 00 | 1,406 45 | 250 00 | ..... | ..... | 4,156 45 |
| 1846, | ..... | ..... | 604 41 | ..... | 604 41 | 20,295 19 | ..... | ..... | 2,500 00 | 18,149 50 | 250 10 | ..... | ..... | 20,899 60 |
| 1847, | ..... | $2,500 00 | 487 49 | ..... | 2,987 49 | 5,875 78 | ..... | ..... | 2,500 00 | 6,130 02 | 233 25 | ..... | ..... | 8,863 27 |
| 1848, | ..... | 2,500 00 | 671 89 | ..... | 3,171 89 | 1,444 17 | ..... | ..... | 2,500 00 | 1,866 05 | 250 01 | ..... | ..... | 4,616 06 |
| 1849, | ..... | 2,500 00 | 794 67 | ..... | 3,294 67 | 1,447 89 | ..... | ..... | 2,500 00 | 1,992 58 | 249 98 | ..... | ..... | 4,742 56 |
| 1850, | ..... | 2,500 00 | 2,513 19 | $15 88 | 5,029 07 | 2,734 98 | ..... | ..... | 2,500 00 | 4,719 29 | 528 88 | ..... | $15 88 | 7,764 05 |
| 1851, | ..... | 45,250 00 | 6,178 57 | ..... | 51,428 57 | ..... | $44,000 00 | ..... | 1,250 00 | 3,590 16 | 725 46 | $1,862 95 | ..... | 51,428 57 |
| 1852, | ..... | 6,000 00 | 7,795 05 | ..... | 13,795 05 | ..... | 6,000 00 | ..... | ..... | 5,403 08 | 649 07 | 1,742 90 | ..... | 13,795 05 |
| 1853, | ..... | ..... | 10,282 18 | ..... | 10,282 18 | ..... | ..... | ..... | ..... | 5,761 92 | 822 13 | 3,698 13 | ..... | 10,282 18 |
| 1854, | ..... | ..... | 9,802 11 | ..... | 9,802 11 | 2,987 04 | ..... | ..... | ..... | 11,802 33 | 986 32 | ..... | ..... | 12,789 35 |
| 1855, | ..... | ..... | 7,340 81 | ..... | 7,340 81 | 171 83 | ..... | ..... | ..... | 6,235 63 | 1,057 01 | ..... | 220 60 | 7,512 64 |
| 1856, | ..... | ..... | 8,639 04 | ..... | 8,639 04 | ..... | ..... | ..... | ..... | 107 91 | 1,018 69 | 5,030 73 | 2,481 71 | 8,639 04 |
| 1857, | ..... | ..... | 4,819 34 | ..... | 4,819 34 | ..... | ..... | ..... | ..... | ..... | 863 39 | 46 09 | 3,939 86 | 4,849 34 |
| 1858, | ..... | ..... | 1,235 32 | ..... | 1,235 32 | 3,631 24 | ..... | ..... | ..... | ..... | 762 62 | ..... | 4,103 94 | 4,866 56 |
| 1859, | ..... | ..... | 701 41 | ..... | 701 41 | 5,024 46 | ..... | ..... | ..... | ..... | 600 87 | ..... | 5,125 00 | 5,725 57 |
| 1860, | ..... | ..... | 290 33 | ..... | 290 33 | 4,916 97 | ..... | ..... | ..... | ..... | 937 88 | ..... | 4,269 42 | 5,207 30 |
| 1861, | ..... | ..... | 218 86 | ..... | 218 86 | 4,842 41 | ..... | ..... | ..... | 400 00 | 755 51 | ..... | 3,905 76 | 5,061 27 |
| 1862, | ..... | ..... | 121 83 | ..... | 121 83 | 2,682 33 | ..... | ..... | ..... | 100 00 | 329 15 | ..... | 2,375 01 | 2,804 16 |
| 1863, | ..... | ..... | 45 21 | ..... | 45 21 | 3,102 23 | ..... | ..... | ..... | ..... | ..... | ..... | 3,147 44 | 3,147 44 |
| 1864, | ..... | ..... | 5 00 | ..... | 5 00 | 5,072 87 | ..... | ..... | ..... | ..... | ..... | ..... | 5,077 87 | 5,077 87 |
| 1865, | ..... | ..... | ..... | ..... | ..... | 7,792 21 | ..... | ..... | ..... | ..... | ..... | ..... | 7 792 21 | 7,792 21 |
| 1866, | ..... | ..... | ..... | ..... | ..... | 4,166 72 | ..... | ..... | ..... | ..... | ..... | ..... | 4,166 72 | 4,166 72 |
| 1867, | ..... | ..... | ..... | 7,089 76 | 7,089 76 | 68 92 | ..... | ..... | ..... | ..... | ..... | ..... | 7,158 68 | 7,158 68 |
| 1868, | ..... | ..... | ..... | 22,603 20 | 22,603 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22,603 20 | 22,603 20 |
| 1869, | ..... | ..... | ..... | 90,196 80 | 90,196 80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 90,196 80 | 90,196 80 |
| 1870, | ..... | ..... | ..... | 188,486 00 | 188,486 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 188,486 00 | 188,486 00 |
| 1871, | ..... | ..... | ..... | 56,965 15 | 59,965 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 56,965 15 | 56,965 15 |
| Total, | $50,000 00 | $61,250 00 | $65,180 51 | $365,356 79 | $541,787 30 | $99,212 01 | $50,000 00 | $50,000 00 | $24,916 09 | $79,406 49 | $12,265 28 | $12,380 80 | $412,030 65 | $640,999 31 |

| | |
|---|---|
| Deficiencies paid by Erie and Champlain canals, | 99,212 01 |
| | $640,999 31 |

(No. 88.)

*STATEMENT of Receipts and Payments on account of the Baldwinsville canal, to September* 30, 1871, *in each year.*

| YEAR. | RECEIVED. | | | | PAID. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Tolls. | Miscellaneous. | Total. | Deficiencies paid by the Erie and Champlain canals. | Surplus tolls to Erie and Champlain canals. | Superintendents. | Collectors. | Miscellaneous. | Total. |
| 1853, | $472 06 | ..... | $472 06 | ..... | $312 60 | ..... | $159 46 | ..... | $472 06 |
| 1854, | 429 86 | ..... | 429 86 | $3,375 22 | ..... | $2,372 29 | 432 79 | ..... | 2,805 08 |
| 1855, | 76 01 | ..... | 76 01 | 2,871 65 | ..... | 2,372 66 | 375 00 | $200 00 | 2,947 66 |
| 1856, | 73 03 | ..... | 73 02 | 727 02 | ..... | 422 46 | 377 58 | ..... | 800 04 |
| 1857, | 32 81 | ..... | 32 81 | 1,486 34 | ..... | 455 43 | 178 59 | 885 13 | 1,519 15 |
| 1858, | 14 13 | ..... | 14 13 | 2,367 49 | ..... | 2,381 62 | ..... | ..... | 2,381 62 |
| 1859, | 26 03 | ..... | 26 03 | 387 27 | ..... | 413 30 | ..... | ..... | 413 30 |
| 1860, | 23 17 | ..... | 23 17 | ..... | 23 17 | ..... | ..... | ..... | 23 17 |
| 1861, | 22 57 | ..... | 22 57 | 1,047 03 | ..... | 1,069 60 | ..... | ..... | 1,000 60 |
| 1862, | 31 83 | ..... | 31 83 | 142 84 | ..... | 174 67 | ..... | ..... | 174 67 |
| 1863, | 39 17 | $4,529 14 | 4,568 31 | 33 16 | ..... | 72 33 | ..... | 4,529 14 | 4,601 47 |
| 1864, | 20 82 | 266 40 | 287 22 | 927 85 | ..... | 631 80 | ..... | 583 27 | 1,215 07 |
| 1865, | ..... | ..... | ..... | 499 00 | ..... | 499 00 | ..... | ..... | 499 00 |
| 1866, | ..... | 10,489 34 | 10,489 34 | 2,646 68 | ..... | 12,646 68 | ..... | 489 34 | 13,136 02 |
| 1867, | ..... | ..... | ..... | 93 32 | ..... | 93 32 | ..... | ..... | 93 32 |
| 1868, | ..... | ..... | ..... | 1,708 00 | ..... | ..... | ..... | 1,708 00 | 1,708 00 |
| 1869, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1870, | ..... | 5,432 70 | 5,432 70 | ..... | ..... | ..... | ..... | 5,432 70 | 5,432 70 |
| 1871, | ..... | 350 00 | 350 00 | ..... | ..... | ..... | ..... | 350 00 | 350 00 |
| Total, | $1,261 48 | $21,067 58 | $22,329 06 | $17,312 87 | $335 77 | $23,605 16 | $1,523 42 | $14,177 58 | $39,641 93 |
| Deficiencies paid by Erie and Champlain canals, | | | 17,312 87 | | | | | | |
| | | | $39,641 93 | | | | | | |

(No. 89.)—*STATEMENT of Receipts and Payments on account of the Oneida River Improvement, in each year, up to September 30, 1871, inclusive, viz.:*

| YEAR. | Loans. | Discount on loans. | RECEIVED. | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Avails of loans. | From Erie and Champlain canals. | From Sinking Fund. | Tolls. | Miscellaneous. | Total. |
| 1839, | $25,000 00 | ..... | $25,000 00 | ..... | ..... | ..... | ..... | $25,000 00 |
| 1840, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1841, | 25,000 00 | $2,250 00 | 22,750 00 | ..... | ..... | ..... | $119 76 | 22,869 76 |
| 1842, | 9,432 57 | ..... | 9,432 57 | ..... | ..... | ..... | ..... | 9,432 57 |
| 1843, | 1,843 56 | ..... | 1,843 56 | ..... | ..... | ..... | ..... | 1,843 56 |
| 1844, | 8,000 00 | ..... | 8,000 00 | ..... | ..... | ..... | ..... | 8,000 00 |
| 1845, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1846, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1847, | ..... | ..... | ..... | $20,000 00 | $3,670 89 | $118 22 | ..... | 23,789 11 |
| 1848, | ..... | ..... | ..... | ..... | 3,670 89 | 200 50 | 1,200 00 | 5,071 39 |
| 1849, | ..... | ..... | ..... | ..... | 12,938 39 | 230 71 | 1,200 00 | 14,369 10 |
| 1850, | ..... | ..... | ..... | ..... | 3,000 61 | 5,555 63 | ..... | 8,566 24 |
| 1851, | ..... | ..... | ..... | ..... | 3,000 61 | 18,409 56 | ..... | 21,420 17 |
| 1852, | ..... | ..... | ..... | ..... | 3,000 61 | 24,540 54 | ..... | 27,551 15 |
| 1853, | ..... | ..... | ..... | ..... | 3,000 61 | 31,275 36 | ..... | 34,285 97 |
| 1854, | ..... | ..... | ..... | ..... | 3,000 61 | 31,992 92 | ..... | 45,003 52 |
| 1855, | ..... | ..... | ..... | ..... | 3,000 61 | 24,004 94 | 1,443 75 | 28,459 30 |
| 1856, | ..... | ..... | ..... | ..... | 3,000 61 | 29,035 78 | ..... | 32,046 39 |
| 1857, | ..... | ..... | ..... | ..... | 3,000 61 | 15,758 42 | ..... | 18,769 03 |
| 1858, | ..... | ..... | ..... | ..... | 3,000 61 | 3,725 19 | ..... | 6,735 80 |
| 1859, | ..... | ..... | ..... | ..... | 3,000 61 | 2,044 64 | ..... | 5,055 25 |
| 1860, | ..... | ..... | ..... | ..... | 4,826 52 | 1,015 98 | ..... | 5,842 50 |
| 1861, | ..... | ..... | ..... | ..... | 51,025 00 | 919 63 | ..... | 51,944 63 |
| 1862, | ..... | ..... | ..... | ..... | 8,266 67 | 2,311 06 | ..... | 10,577 73 |
| 1863, | ..... | ..... | ..... | ..... | ..... | 4,399 07 | ..... | 4,399 07 |
| 1864, | ..... | ..... | ..... | ..... | ..... | 3,572 36 | 11,021 11 | 14,593 47 |
| 1865, | ..... | ..... | ..... | ..... | ..... | 2,489 87 | 5,041 02 | 7,530 89 |
| 1866, | ..... | ..... | ..... | ..... | ..... | 2,688 53 | 24,801 76 | 27,490 29 |
| 1867, | ..... | ..... | ..... | ..... | ..... | 3,186 06 | 266 11 | 3,452 17 |
| 1868, | ..... | ..... | ..... | ..... | ..... | 2,029 85 | 1,732 57 | 3,762 42 |
| 1869, | ..... | ..... | ..... | ..... | ..... | 1,686 46 | 32,189 79 | 33,876 25 |
| 1870, | ..... | ..... | ..... | ..... | ..... | 755 59 | 17,591 28 | 18,346 87 |
| 1871, | ..... | ..... | ..... | ..... | ..... | 724 61 | 38,392 62 | 39,117 23 |
| Total, | $69,276 13 | $2,250 00 | $67,026 13 | $20,000 00 | $114,504 46 | $212,671 48 | $ 34,999 77 | $549,201 84 |
| Deficiencies paid by Erie and Champlain canals, | | | | | | | | 34,176 62 |
| | | | | | | | | $583,378 46 |

No. 89 — (*Continued*).

# ONEIDA RIVER IMPROVEMENT.

| YEARS. | Deficiencies paid by Erie and Champlain canals. | PAID. | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Principal of loans. | Surplus tolls to Erie and Champlain canals. | Interest on loans. | Canal Commissioners. | Superintendents of repairs. | Miscellaneous. | Total. |
| 1839, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1840, | $1,250 00 | ..... | ..... | $1,250 00 | $16,124 94 | ..... | $33 53 | $17,412 47 |
| 1841, | 2,245 83 | ..... | ..... | 2,365 59 | 21,691 05 | ..... | 21 92 | 24,077 56 |
| 1842, | 2,691 42 | ..... | ..... | 2,691 42 | 19,308 13 | ..... | ..... | 21,999 55 |
| 1843, | 3,204 29 | ..... | ..... | 3,204 29 | ..... | ..... | ..... | 3,204 29 |
| 1844, | 3,378 43 | ..... | ..... | 3,378 43 | 6,094 98 | ..... | ..... | 9,473 41 |
| 1845, | 3,588 94 | ..... | ..... | 3,588 94 | ..... | ..... | ..... | 3,588 64 |
| 1846, | 3,681 99 | ..... | ..... | 3,681 99 | ..... | ..... | ..... | 3,681 99 |
| 1847, | ..... | ..... | $118 22 | 3,670 89 | 1,179 87 | ..... | ..... | 4,968 98 |
| 1848, | ..... | ..... | 200 50 | 3,670 89 | ..... | ..... | ..... | 3,871 29 |
| 1849, | ..... | $9,432 57 | 230 71 | 3,505 82 | 6,080 00 | ..... | ..... | 19,249 10 |
| 1850, | ..... | ..... | 5,160 96 | 3,010 61 | 8,727 37 | $394 67 | ..... | 17,293 61 |
| 1851, | ..... | ..... | 16,159 95 | 3,010 61 | 6,913 07 | 2,249 61 | ..... | 28,333 24 |
| 1852, | ..... | ..... | 22,775 17 | 3,010 61 | ..... | 1,765 37 | 525 81 | 28,086 96 |
| 1853, | ..... | ..... | 29,567 96 | 3,010 61 | ..... | 1,707 40 | ..... | 24,285 97 |
| 1854, | ..... | ..... | 28,945 55 | 3,010 61 | ..... | 2,876 47 | 170 90 | 35,063 53 |
| 1855, | ..... | ..... | 19,461 72 | 3,010 61 | 1,443 75 | 4,518 79 | 24 43 | 28,459 30 |
| 1856, | ..... | ..... | 26,554 05 | 3,010 61 | ..... | 2,481 73 | ..... | 32,046 39 |
| 1857, | ..... | ..... | 10,459 40 | 3,010 61 | 4,228 42 | 3,590 51 | 192 55 | 21,481 49 |
| 1858, | ..... | ..... | 927 92 | 3,010 61 | ..... | 2,797 27 | ..... | 6,735 80 |
| 1859, | ..... | ..... | 840 26 | 3,010 61 | ..... | 1,078 83 | 125 55 | 5,055 25 |
| 1860, | ..... | 1,843 56 | 797 06 | 2,982 96 | 182 67 | ..... | 36 25 | 5,842 50 |
| 1861, | 14,135 72 | 50,000 00 | ..... | 1,025 00 | 15,054 30 | ..... | 1 05 | 66,080 35 |
| 1862, | ..... | 8,000 00 | 395 30 | 266 67 | 928 00 | 447 76 | ..... | 10,577 73 |
| 1863, | ..... | ..... | 4,394 07 | ..... | ..... | ..... | 5 00 | 4,399 07 |
| 1864, | ..... | ..... | 3,572 36 | ..... | 10,141 92 | ..... | 879 19 | 14,593 47 |
| 1865, | ..... | ..... | 1,392 78 | ..... | 4,623 32 | 1,097 09 | 417 70 | 7,530 89 |
| 1866, | ..... | ..... | 2,688 53 | ..... | 24,269 23 | ..... | 532 53 | 27,400 29 |
| 1867, | ..... | ..... | 3,186 06 | ..... | ..... | ..... | 266 11 | 3,452 17 |
| 1868, | ..... | ..... | 2,029 85 | ..... | 940 80 | ..... | 791 77 | 3,762 42 |
| 1869, | ..... | ..... | 1,686 46 | ..... | 31,659 13 | ..... | 530 05 | 33,876 [illegible] |
| 1870, | ..... | ..... | 755 59 | ..... | 16,009 87 | ..... | 1,581 41 | 18,346 87 |
| 1871, | ..... | ..... | 724 61 | ..... | 37,299 56 | ..... | 1,093 06 | 39,117 23 |
| Total, | $34,176 62 | $69,276 13 | $183,565 04 | $65,388 99 | $232,903 38 | $25 005 50 | $7,239 42 | $583,378 46 |

| x. | e and Champlain | Miscellaneous | Totals |
|---|---|---|---|
| | 7,076 95 | 78,364 70 | 4,239,932 38 |
| | 7,468 11 | 60,992 98 | 3,645,553 41 |
| | 7,873 16 | 72,371 22 | 4,439,872 81 |
| | 8,093 29 | 55,587 11 | 7,677,661 75 |
| | 7,796 73 | 81,283 22 | 10,854,493 12 |
| | 7,779 10 | 83,220 04 | 5,828,618 16 |
| | 8,096 78 | 118,033 32 | 7,819,129 26 |
| | 6,295 93 | 177,939 55 | 3,559,863 14 |
| | 9,867 67 | 90,394 79 | 7,100,484 00 |
| | 8,111 30 | 67,966 80 | 5,502,766 56 |
| | 8,430 85 | 150,308 61 | 5,987,388 99 |
| | 9,164 07 | 535,855 38 | 4,542,820 94 |
| | 9,256 88 | 235,654 47 | 5,088,135 70 |
| | 9,705 70 | 137,301 29 | 8,762,220 48 |
| | 11,306 35 | 128,204 06 | 6,042,208 73 |
| | 11,824 04 | 149,556 37 | 7,022,351 99 |
| | 13,347 70 | 149,026 26 | 5,108,309 02 |
| | 12,619 99 | 119,596 18 | 7,194,698 46 |
| | 14,299 92 | 285,274 55 | 6,463,267 84 |
| | 14,044 12 | 229,799 55 | 5,888,987 48 |
| | 14,906 19 | $4,482,657 24½ | $220,242,660 39 |

| | | |
|---|---|---|
| ee ..... | | 4,499,617 02 |
| d | | |
| d | | $224,742,277 41 |
| d | | |
| d..... | | $4,449,617 02 |
| d | | |
| d..... | See No. 39, | 8,966 48 |
| d..... | 6, | 356,766 65 |
| d | | |
| d | | $4,865,350 15 |
| d | | |
| d | | |
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| d | | |

(No. 90.)—STATEMENT OF RECEIPTS AND PAYMENTS IN EACH YEAR, ON ACCOUNT OF ALL THE STATE CANALS, RAILROADS, AND OF THE ONEIDA RIVER IMPROVEMENT, UP TO SEPTEMBER 30th, 1871, INCLUSIVE

RECEIVED.

| YEARS. | Loans. | Premiums on loans. | Discount on loans. | Avails of loans. | Avails of canal revenue certificates. | Temporary loans. | Tolls. | Tax. | Vendue duty. | Salt duty. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1817 | $200,000 00 | | | $200,000 00 | | | | | $72,061 41 | $2,926 28 |
| 1818 | 200,000 00 | $9,040 00 | | 209,040 00 | | | | | 145,943 02 | 48,784 27 |
| 1819 | 400,000 00 | 7,885 00 | | 407,885 00 | | | | | 111,319 04 | 54,410 69 |
| 1820 | 693,500 00 | 23,517 50 | | 717,017 50 | | | | | 122,653 07 | 67,038 67 |
| 1821 | 1,400,000 00 | 50,760 00 | | 1,450,760 00 | | | $2,200 00 | | 121,195 97 | 46,345 24 |
| 1822 | 1,350,000 00 | 47,827 75 | $5,093 75 | 1,392,734 00 | | | 44,486 72 | | 146,485 59 | 65,416 37 |
| 1823 | 1,656,000 00 | 1,609 50 | 59,895 00 | 1,597,714 50 | | | 119,988 08 | | 181,814 36 | 102,221 64 |
| 1824 | 1,568,270 99 | 82,729 01 | | 1,651,000 00 | | | 289,320 58 | | 196,424 73 | 99,211 18 |
| 1825 | 270,000 00 | | | 270,000 00 | | | 521,343 94 | | 253,452 38 | 71,222 75 |
| 1826 | 377,000 00 | 9,000 00 | | 386,000 00 | | | 844,508 02 | | 203,737 84 | 83,272 59 |
| 1827 | | | | | | | 880,454 09 | | 265,290 65 | 126,030 58 |
| 1828 | 210,000 00 | 2,805 00 | | 212,805 00 | | | 829,535 10 | | 221,686 40 | 118,423 89 |
| 1829 | 87,000 00 | | | 87,000 00 | | | 815,239 58 | | 215,385 18 | 157,160 58 |
| 1830 | 150,000 00 | 15,694 00 | | 165,694 00 | | | 1,042,699 24 | | 179,681 02 | 163,421 55 |
| 1831* | 240,263 00 | 21,179 71 | | 261,442 71 | | | 748,561 29 | | 155,901 66 | 98,703 91 |
| 1832 | | | | | | | 1,112,194 74 | | 250,424 02 | 179,096 46 |
| 1833 | 95,737 00 | 32,663 81 | | 128,400 81 | | | 1,388,055 53 | | 181,014 23 | 227,860 05 |
| 1834 | 950,000 00 | 66,255 00 | | 1,016,255 00 | | | 1,381,951 52 | | 169,337 04 | 160,782 98 |
| 1835 | | | | | | | 1,482,963 11 | | 211,037 24 | 118,364 92 |
| 1836 | 650,000 00 | 13,000 00 | | 663,000 00 | | | 1,595,619 48 | | 187,194 20 | 64,763 46 |
| 1837 | 810,920 22 | 21,374 62 | | 832,294 84 | | | 1,324,429 27 | | | |
| 1838 | 3,493,061 54 | 13,391 79 | | 3,506,453 33 | | | 1,464,105 16 | | | |
| 1839 | 1,545,000 00 | 500 00 | | 1,545,500 00 | | | 1,653,007 56 | | | |
| 1840 | 3,478,553 90 | | 125,975 00 | 3,352,578 90 | | $450,000 00 | 1,602,059 10 | | | |
| 1841 | 2,213,497 57 | | 199,097 57 | 2,014,400 00 | | 1,855,000 00 | 1,987,807 85 | | | |
| 1842 | 3,411,618 00 | | | 3,411,618 00 | | 38,967 00 | 1,795,484 80 | | | |
| 1843 | 1,002,700 00 | 26,775 00 | | 1,029,475 00 | | | 1,952,587 83 | | | |
| 1844 | 655,000 00 | 8,388 50 | | 663,388 50 | | | 2,386,277 34 | $278,197 56 | | |
| 1845 | 245,000 00 | 897 00 | | 245,897 00 | | | 2,374,007 56 | 2,366 02 | | |
| 1846 | 300,000 00 | 14,988 80 | | 314,988 80 | | | 2,788,134 76 | 56,503 47 | | |
| 1847 | | | | | | | 3,460,975 92 | 119,410 30 | | |
| 1848 | 1,314,819 34 | 31,720 16 | | 1,346,539 50 | | | 3,153,614 24 | | | |
| 1849 | 1,889,024 76 | 221,017 76 | | 2,110,042 52 | | | 3,377,784 27 | | | |
| 1850 | 192,585 49 | 10,829 87 | | 203,415 36 | | | 3,390,476 63 | | | |
| 1851 | 1,000,000 00 | 9,756 75 | | | $1,009,756 75 | | 3,702,070 34 | | | |
| 1852 | 700,000 00 | 21,519 00 | | 218,885 00 | 502,634 00 | | 3,173,222 49 | | | |
| 1853 | | | | | | | 3,161,425 14 | | | |
| 1854 | 2,250,000 00 | 342,952 77 | | 2,592,952 77 | | | 2,980,139 97 | 657,145 86 | | |
| 1855 | 3,750,000 00 | 625,285 05 | | 4,375,285 05 | | | 2,631,491 11 | | | |
| 1856 | 6,750,000 00 | 407,201 70 | | 7,157,201 70 | | | 2,719,925 63 | 320,000 00 | | |
| 1857 | 2,750,000 00 | 323,727 50 | | 3,073,727 50 | | | 2,529,865 88 | 262,500 00 | | |
| 1858 | 2,200,000 00 | 57,150 50 | | 2,257,150 50 | | 300,000 00 | 2,045,442 68 | 1,240,500 00 | | |
| 1859 | | | | | | 207,500 00 | 1,812,280 80 | 890,567 66 | | |
| 1860 | 3,900,000 00 | 146,329 00 | | 4,046,329 00 | | 555,000 00 | 2,379,534 04 | 969,515 70 | | |
| 1861 | 1,200,000 00 | 16,883 50 | | 1,216,883 50 | | | 3,353,168 97 | 840,552 28 | | |
| 1862 | | | | | | | 4,790,518 09 | 2,769,623 09 | | |
| 1863 | | | | | | | 5,028,431 32 | 1,420,188 45 | | |
| 1864 | | | | | | | 4,308,181 20 | 535,373 94 | | |
| 1865 | | | | | | | 3,516,948 63 | 881,779 20 | | |
| 1866 | | | | | | | [illegible] 31 17 | 2,147,613 92 | | |
| 1867 | | | | | | | [illegible] 61 29 | 1,1[illegible] 517 23 | | |
| 1868 | | | | | | | 4,417,559 50 | 1,019,265 98 | | |
| 1869 | | | | | | | 4,112,878 52 | 1,828,400 39 | | |
| 1870 | | | | | | | 3,080,893 57 | 1,595,053 56 | | |
| 1871 | | | | | | 200,000 00 | 2,813,686 29 | 3,880,035 93 | | |
| Total | $55,549,551 81 | $2,684,655 55 | $390,061 32 | $56,331,755 29 | $1,512,390 75 | $3,606,467 00 | $116,609,229 94 | $23,021,410 54 | $3,592,039 05 | $2,055,458 06 |

| YEARS. | Steamboat tax. | Sales of land. | Interest on deposits and investments. | Rent of surplus water. | General fund for deficiencies. | E. and C. canal for B. R. canal and E. C. feeder. | Erie and Champlain canals for deficiencies. | Miscellaneous. | Totals. |
|---|---|---|---|---|---|---|---|---|---|
| 1817 | $16,509 93 | | | | | | | | $291,497 61 |
| 1818 | 18,902 70 | | | | | | | $5,060 00 | 427,729 99 |
| 1819 | 18,412 44 | | | | | | | | 590,027 17 |
| 1820 | 6,684 92 | | | | | | | 3,678 00 | 917,072 16 |
| 1821 | 5,000 00 | | | | | | | | 1,625,501 21 |
| 1822 | 5,000 00 | | | | | | | | 1,654,122 68 |
| 1823 | 5,000 00 | | | | | | | | 2,006,738 58 |
| 1824 | | | | | | | | | 2,235,956 49 |
| 1825 | | $2,371 30 | | | | | | | 1,118,390 37 |
| 1826 | | 30,182 19 | $4,515 40 | | | | | | 1,552,216 04 |
| 1827 | | 30,950 60 | 9,487 96 | $680 00 | | | | | 1,312,893 88 |
| 1828 | | 79,784 59 | 17,957 30 | 1,467 00 | | | | | 1,481,623 28 |
| 1829 | | 47,780 18 | 26,173 80 | 2,679 70 | | | | 677 50 | 1,352,096 52 |
| 1830 | | 34,420 43 | 39,600 17 | 2,464 18 | $38,068 29 | | | 1,074 69 | 1,607,123 57 |
| 1831 | | 11,870 75 | 46,256 20 | 2,707 33 | 21,440 74 | | | 13,360 58 | 1,360,245 17 |
| 1832 | | 17,915 75 | 104,369 15 | 723 00 | 23,177 54 | | | 4,419 75 | 1,692,320 41 |
| 1833 | | 3,445 26 | 140,319 90 | 325 00 | 63,295 54 | | | 16,387 95 | 2,049,104 27 |
| 1834 | | 1,683 82 | 121,174 64 | 5,763 50 | 69,964 96 | | | 3,873 46 | 2,930,786 92 |
| 1835 | | 2,879 45 | 157,499 54 | 1,632 50 | 44,465 39 | | | 50,164 80 | 2,069,024 95 |
| 1836 | | 33,671 80 | 179,177 98 | 2,836 00 | 94,507 65 | | | 5,230 83 | 2,826,001 40 |
| 1837 | | 11,116 05 | 181,580 02 | 1,180 50 | 217,385 59 | | | 410 05 | 2,568,396 32 |
| 1838 | | 4,297 98 | 276,529 42 | 1,170 00 | 245,891 95 | | | 1,309 81 | 5,499,757 65 |
| 1839 | | 4,360 00 | 230,323 55 | 2,776 00 | 226,027 95 | $46,462 96 | | 7,626 26 | 3,716,084 28 |
| 1840 | | | 140,691 20 | 4,768 18 | 342,273 28 | 243,634 70 | $1,250 00 | 6,616 05 | 6,143,871 41 |
| 1841 | | | 137,866 34 | 1,878 86 | | | 376,397 08 | 3,573 75 | 6,376,923 88 |
| 1842 | | 131 00 | 105,459 83 | 1,979 00 | | | 495,079 95 | 4,416 21 | 5,853,135 79 |
| 1843 | | | 103,085 17 | 1,241 25 | | | 474,765 23 | 5,173 97 | 3,566,328 45 |
| 1844 | | | 104,314 57 | 2,180 00 | | | 461,776 09 | 2,840 26 | 3,898,974 32 |
| 1845 | | | 147,794 13 | 1,525 87 | | | 471,316 37 | 21,934 74 | 3,264,841 69 |
| 1846 | | | 101,890 49 | 10,715 00 | | | 426,542 97 | 10,508 28 | 3,709,283 77 |
| 1847 | | 3,675 00 | 92,148 51 | 2,734 34 | | | 65,403 00 | 3,245 74 | 3,747,592 81 |
| 1848 | | | 75,123 83 | 3,354 14 | | | 88,062 07 | 7,667 17 | 4,674,360 95 |
| 1849 | | | 91,030 49 | 1,135 91 | | | 74,593 52 | 390,524 71 | 6,045,111 42 |
| 1850 | | | 110,189 64 | 2,604 74 | | | 142,497 72 | 7,690 30 | 3,856,874 39 |
| 1851 | | | 30,130 07 | 1,929 00 | | | 95,661 55 | 17,457 67 | 4,857,005 38 |
| 1852 | | | 47,626 81 | 1,635 00 | | | 167,255 68 | 36,305 34 | 4,147,564 32 |
| 1853 | | | 58,578 11 | 765 00 | | | 202,456 32 | 37,122 57 | 3,460,347 14 |
| 1854 | | | 42,699 83 | 1,975 00 | | | 211,278 98 | 30,144 25 | 6,516,336 66 |
| 1855 | | | 117,343 46 | 1,415 00 | | | 130,382 11 | 50,394 06 | 7,306,310 79 |
| 1856 | | | 136,358 45 | 1,815 00 | | | 38,839 41 | 64,837 34 | 10,438,977 53 |
| 1857 | | | 149,953 23 | 1,938 50 | | | 158,643 73 | 56,471 45 | 6,233,100 29 |
| 1858 | | | 107,882 32 | 1,948 33 | | | 343,231 40 | 169,195 76 | 6,465,350 99 |
| 1859 | | | 49,462 37 | 2,081 67 | | | 115,538 34 | 173,690 08 | 3,251,120 92 |
| 1860 | | | 48,410 49 | 1,767 24 | | | 125,169 27 | 130,672 39 | 8,156,398 13 |
| 1861 | | | 67,470 77 | 4,865 00 | | | 127,122 13 | 122,307 40 | 5,732,370 05 |
| 1862 | | | 122,941 98 | 6,765 00 | | | 178,577 20 | 103,646 21 | 7,972,071 57 |
| 1863 | | | 154,959 84 | 1,165 00 | | | 146,865 87 | 117,523 84 | 6,869,134 32 |
| 1864 | | | 160,329 37 | 1,511 82 | | | 278,903 73 | 55,179 91 | 5,340,079 97 |
| 1865 | | | 200,710 84 | 4,683 00 | | | 734,673 88 | 178,843 59 | 5,517,639 14 |
| 1866 | | | 166,106 06 | 4,293 75 | | | 299,569 82 | 137,347 99 | 7,003,862 71 |
| 1867 | | | 145,779 03 | 1,165 00 | | | 297,324 51 | 131,406 47 | 5,978,658 58 |
| 1868 | | | 129,170 47 | 750 00 | | | 285,069 69 | 114,480 16 | 5,966,295 80 |
| 1869 | | | 155,358 73 | 1,215 00 | | | 230,734 91 | 22,133 06 | 6,350,720 61 |
| 1870 | | | 151,527 70 | 2,129 48 | | | 508,228 03 | 13,932 78 | 5,351,765 12 |
| 1871 | | | 52,488 87 | 1,267 50 | | | 688,295 23 | 9,388 81 | 7,645,162 63 |
| Total | $73,509 99 | $320,518 15 | $5,037,848 03 | $107,602 29 | $1,386,498 88 | $290,097 66 | $8,441,505 79 | $2,355,945 99 | $224,742,277 41 |

PAID.

| YEARS. | Principal of loans. | Premium on purchase and investment of stock. | Temporary loans. | Interest on loans. | Canal Commissioners. | Seneca Lock Navigation Company. | Black River canal, for Erie canal feeder. | General Fund. | General Fund Debt. |
|---|---|---|---|---|---|---|---|---|---|
| 1817 | | | | $6,000 00 | $200,000 00 | | | | |
| 1818 | | | | 16,250 00 | 466,900 00 | | | | |
| 1819 | | | | 38,836 64 | 587,467 00 | | | | |
| 1820 | | | | 70,927 27 | 668,900 00 | | | | |
| 1821 | | | | 123,672 55 | 1,120,500 00 | | | | |
| 1822 | | | | 190,948 50 | 1,755,012 23 | | | | |
| 1823 | | | | 209,297 13 | 1,784,102 61 | | | | |
| 1824 | | | | 442,041 40 | 1,275,543 82 | | | | |
| 1825 | | | | 409,884 24 | 990,5[illegible] 84 | | | | |
| 1826 | $270,000 00 | | | 423,951 20 | 648,365 95 | $34,095 83 | | | |
| 1827 | 94,615 00 | | | 418,125 49 | 374,065 37 | 19,776 05 | | | |
| 1828 | 20,000 00 | $1,000 00 | | 424,010 15 | 267,003 92 | | | | |
| 1829 | 321,142 99 | 12,800 00 | | 418,842 19 | 112,801 70 | | | | |
| 1830 | 50,977 14 | | | 416,520 99 | 97,641 36 | | | | |
| 1831 | 9,653 00 | | | 318,564 74 | 171,919 25 | | | | |
| 1832 | | | | 43[illegible] 32 | 171,307 74 | | | | |
| 1833 | 1,478,376 57 | 87,933 46 | | 411,196 34 | 144,741 98 | | | | |
| 1834 | 588,006 61 | 50,823 45 | | 358,810 5[illegible] | 241,662 34 | | | | |
| 1835 | 706,946 49 | 75,217 09 | | 365,823 40 | 703,962 28 | | | | |
| 1836 | 651,249 46 | 40,529 14 | | 378,[illegible]44 86 | 977,550 82 | | | | |
| 1837 | 971,644 93 | 55,268 01 | | 309,108 82 | 1,206,663 63 | | | | |
| 1838 | 351,023 15 | 13,988 02 | | 446,798 88 | 1,640,070 19 | | | | |
| 1839 | 67,300 33 | | | 494,817 34 | 3,655,460 09½ | | $46,462 96 | | |
| 1840 | 137,796 22 | 415 69 | | 658,921 58 | 5,505,515 75 | | 243,634 70 | | |
| 1841 | 33,770 85 | | $450,000 00 | 801,683 57 | 3,647,214 55 | | | $1,837,602 73 | |
| 1842 | 143,600 63 | 187 50 | 1,854,000 00 | 1,096,197 81 | 2,599,116 81 | | | 200,000 00 | |
| 1843 | [illegible] | | 20,000 00 | 1,093,474 98 | 297,270 84 | | | | |
| 1844 | 333,478 60 | 16,816 40 | 18,967 00 | 1,116,[illegible] 53 | 712,449 93 | | | 100,000 00 | |
| 1845 | [illegible] 81 | 2,577 94 | | 1,104,319 98 | 353,717 68 | | | | |
| 1846 | [illegible] 61 | | | 976,552 48 | 182,367 30 | | | 400,000 00 | |
| 1847 | 281,490 56 | 5,131 40 | | 937,205 64 | 162,276 57 | | | 200,000 00 | $471,916 66 |
| 1848 | 1,344,919 00 | 3,829 25 | | 911,736 05 | 864,767 36 | | | 200,000 00 | 350,000 00 |
| 1849 | 2,097,329 00 | | | 898,599 05 | 1,513,862 71 | | | 200,000 00 | 350,000 00 |
| 1850 | 482,786 64 | | | 868,873 74 | 2,132,379 93 | | | 200,000 00 | 350,000 00 |
| 1851 | 5[illegible]3,609 91 | | | 835,064 66 | 1,444,706 71 | | | 200,000 00 | 350,000 00 |
| 1852 | [illegible] | | | [illegible] 62 | 1,381,254 63 | | | 200,000 00 | [illegible] 00 |
| 1853 | | | | [illegible] | 1,022,005 84 | | | 200,000 00 | 350,000 00 |
| 1854 | 47[illegible],025 00 | | | [illegible] | 1,156,024 74 | | | 200,000 00 | 350,000 00 |
| 1855 | 2,240,941 00 | | | [illegible] | 2,938,707 23 | | | | 350,000 00 |
| 1856 | 4,489,266 24 | | | [illegible] | 1,011,241 22 | | | | [illegible] 00 |
| 1857 | 175,225 00 | [illegible] 95 | | 1,361,736 93 | 2,941,936 58 | | | | 262,500 00 |
| 1858 | 2,999,767 24 | | 100,000 00 | [illegible] | [illegible] | | | | |
| 1859 | 152,150 00 | | 200,000 00 | [illegible] | [illegible] | | | | |
| 1860 | 1,100,522 00 | | 562,500 00 | 1,472,745 78 | [illegible] | | | | |
| 1861 | [illegible] | | | 1,405,304 64 | 1,188,758 07 | | | | |
| 1862 | [illegible] | 22 49 | | 1,429,859 36 | 1,264,078 51 | | | | 350,000 00 |
| 1863 | [illegible] | 62,[illegible] 08 | | 1,381,995 76 | 545,623 28 | | | 200,000 00 | 350,000 00 |
| 1864 | [illegible] | 39,[illegible] 28 | | [illegible] | [illegible] | | | 200,000 00 | 350,000 00 |
| 1865 | [illegible] | 21,517 83 | | [illegible] | 1,019,641 50 | | | 151,113 40 | 950,000 00 |
| 1866 | 1,318,935 19 | 1,412 84 | | 1,081,875 38 | 1,253,784 14 | | | | 782,961 04 |
| 1867 | 2,515,400 00 | 11,380 05 | | 969,402 50 | 1,511,949 94 | | | | 713,125 00 |
| 1868 | 1,483,109 00 | 7,609 31 | | [illegible] | [illegible] | | | | 350,000 00 |
| 1869 | 1,685,[illegible] 00 | 23,826 78 | | [illegible] | [illegible] | | | 127,058 1[illegible] | 1,850,000 00 |
| 1870 | 598,200 00 | 32,036 00 | | 724,752 00 | 2,864,018 16 | | | | |
| 1871 | | | | 706,921 00 | 1,863,849 62 | | | | 569,974 61 |
| Total | $43,655,909 81 | $563,281 96 | $3,206,467 00 | $40,856,050 91 | $73,327,947 29½ | $53,871 88 | $290,097 66 | $4,815,774 60 | $10,150,477 31 |

| YEARS. | Deficiencies of lateral canals and Oneida river improvement. | Purchase of Oneida Lake canal and feeder. | Repairs of canals. Contractors. | Repairs of canals. Superintendents. | Expenses of collectors and inspectors. | Weigh masters. | Miscellaneous. | Totals. |
|---|---|---|---|---|---|---|---|---|
| 1817 | | | | | | | $200 00 | $206,200 00 |
| 1818 | | | | | | | 158 37 | 483,308 37 |
| 1819 | | | | | | | 167 37 | 626,471 16 |
| 1820 | | | | | | | 152,951 38 | 892,778 65 |
| 1821 | | | | | | | 2,707 95 | 1,246,880 50 |
| 1822 | | | | | | | 1,787 50 | 2,147,748 23 |
| 1823 | | | | | | | 484 80 | 1,993,884 54 |
| 1824 | | | | | | | 194 44 | 1,717,779 66 |
| 1825 | | | | | | | 16,121 62 | 1,416,543 70 |
| 1826 | | | | $124,652 51 | $255 83 | | 3,511 48 | 1,504,832 80 |
| 1827 | | | | 284,654 16 | 26,636 61 | $450 00 | 29,408 61 | 1,24[illegible] 29 |
| 1828 | | | | 224,227 25 | 27,042 33 | 4,052 87 | 45,884 62 | 1,01[illegible] 14 |
| 1829 | | | | 255,729 55 | 27,054 41 | 5,116 63 | 20,988 72 | 1,1[illegible] 19 |
| 1830 | | | | 229,850 66 | 24,991 03 | 4,377 88 | 15,198 38 | 819,557 44 |
| 1831 | | | | 168,715 53 | 25,662 63 | 2,023 50 | 16,640 49 | 712,279 14 |
| 1832 | | | | 350,426 89 | 25,760 85 | 4,430 59 | 15,355 64 | 999,499 03 |
| 1833 | | | | 377,783 40 | 27,875 08 | 4,602 25 | 42,271 93 | 2,574,781 02 |
| 1834 | | | | 471,106 90 | 28,816 14 | 4,511 25 | 13,108 45 | 1,756,845 66 |
| 1835 | | | | 441,367 54 | 30,610 07 | 4,781 30 | 13,456 72 | 2,342,101 89 |
| 1836 | | | | 392,444 22 | 31,064 42 | 4,211 20 | 26,576 60 | 2,452,370 72 |
| 1837 | | | | 486,412 41 | 35,804 98 | 5,671 71 | 19,187 47 | 3,089,761 96 |
| 1838 | | | | 476,995 22 | 30,116 62 | 6,350 32 | 24,346 64 | 2,989,689 04 |
| 1839 | | | | 381,903 15 | 47,262 00 | 6,067 85 | 26,355 41½ | 4,725,629 14 |
| 1840 | $1,250 00 | | | 389,247 94 | 47,972 05 | 5,719 28 | 112,018 93 | 6,602,420 14 |
| 1841 | 376,397 08 | $50,000 00 | | 380,365 56 | 47,956 86 | 5,290 22 | 41,169 30 | 7,671,450 70 |
| 1842 | 495,079 95 | | | 432,105 71 | 47,210 12 | 5,152 55 | 46,880 17 | 6,830,830 65 |
| 1843 | 474,765 23 | | | 378,618 45 | 42,558 21 | 4,506 84 | 60,714 63 | 3,056,637 45 |
| 1844 | 461,776 09 | | | 444,344 98 | 41,535 84 | 4,724 21 | 74,634 59 | 3,325,388 17 |
| 1845 | 471,316 37 | | | 526,001 30 | 42,438 09 | 4,985 60 | 60,716 32 | 3,814,958 09 |
| 1846 | 126,542 97 | | | 509,510 96 | 44,516 21 | 4,795 93 | 77,584 47 | 5,583,650 96 |
| 1847 | 65,403 00 | | | 493,157 16 | 45,692 90 | 5,066 65 | 42,648 03 | 2,712,988 57 |
| 1848 | 88,062 07 | | | 687,792 91 | 51,882 60 | 5,885 71 | 73,209 94 | 4,582,084 89 |
| 1849 | 74,593 52 | | | 528,371 38 | 50,527 82 | 6,178 80 | 82,666 14 | 5,802,128 42 |
| 1850 | 142,497 72 | | | 560,845 62 | 48,904 57 | 6,081 93 | 245,815 69 | 5,038,185 84 |
| 1851 | 95,661 55 | | | 682,598 89 | 67,945 95 | 7,412 50 | 61,800 98 | 4,318,801 08 |
| 1852 | [illegible] | | | [illegible] 99 | [illegible] 58 | 7,076 95 | 78,364 70 | 4,2[illegible] 38 |
| 1853 | [illegible] | | | [illegible] 57 | 62,992 31 | 7,468 11 | 60,992 98 | 3,6[illegible] 41 |
| 1854 | [illegible] | | | 969,[illegible] 43 | [illegible] 77 | 7,873 16 | 72,371 22 | 4,459,872 81 |
| 1855 | [illegible] | | $16,873 23 | 788,[illegible] 41 | 71,[illegible] 20 | 8,096 29 | 55,587 11 | 7,677,661 75 |
| 1856 | 38,839 41 | | 98,293 82 | 508,538 56 | 74,8[illegible] 15 | 7,796 73 | 81,283 22 | 10,854,493 12 |
| 1857 | 158,643 73 | | 141,963 69 | 620,079 30 | 75,267 84 | 7,719 10 | 83,220 01 | 5,828,618 16 |
| 1858 | 343,231 40 | | 150,461 70 | 740,477 21 | 80,279 28 | 8,096 78 | 118,[illegible] | 7,819,129 26 |
| 1859 | 115,538 34 | | 163,668 59 | 465,911 92 | 63,[illegible] 00 | 6,295 93 | 177,[illegible] 55 | 3,259,[illegible] |
| 1860 | 125,169 27 | | 229,127 67 | 149,158 22 | 87,021 37 | 9,867 67 | 90,394 79 | 7,100,[illegible] |
| 1861 | 127,122 13 | | 260,995 33 | 106,611 51 | 62,345 55 | 8,111 30 | 67,966 80 | 5,50[illegible] 56 |
| 1862 | 178,577 20 | | 296,168 98 | 131,919 64 | 58,023 35 | 8,430 85 | 150,808 61 | 5,9[illegible] |
| 1863 | 146,865 87 | | 353,993 02 | 166,977 97 | 56,771 51 | 9,164 07 | 535,[illegible] | 4,5[illegible] |
| 1864 | 278,903 73 | | 498,938 41 | 315,874 55 | 59,320 29 | 9,256 88 | 235,[illegible] 17 | 5,088,[illegible] |
| 1865 | 734,673 88 | | 950,033 01 | 700,182 87 | 67,416 85 | 9,705 70 | 137,[illegible] 29 | 8,5[illegible] |
| 1866 | 299,569 82 | | 685,116 80 | 374,128 51 | 74,584 30 | 11,306 35 | 128,[illegible] 06 | 6,04[illegible] |
| 1867 | 297,324 51 | | 694,033 5[illegible] | 75,184 10 | 76,168 96 | 11,824 04 | 149,[illegible] 37 | 7,022,351 [illegible] |
| 1868 | 285,069 69 | | 775,11[illegible] | 291 02 | 76,761 11 | 13,347 70 | 149,026 26 | 5,108,309 02 |
| 1869 | 230,734 91 | | 785,560 [illegible] | 81,851 37 | 77,419 04 | 12,619 99 | 119,596 18 | 7,194,698 16 |
| 1870 | 508,228 03 | | 838,091 1[illegible] | 508,171 58 | 90,196 47 | 14,299 92 | 285,271 55 | 6,463,267 84 |
| 1871 | 688,295 23 | | 626,398 33 | 1,100,650 53 | 89,054 49 | 14,044 12 | 229,799 55 | 5,888,987 48 |
| Total | $8,441,505 79 | $50,000 00 | $7,562,269 87 | $20,069,718 44 | $2,401,724 44 | $314,906 19 | $4,482,657 24½ | $220,242,660 39 |

| | | | |
|---|---|---|---|
| There belongs to the Sinking Fund for the Canal Debt | See No. | 3, | $1,1[illegible] 56 |
| Sinking Fund for the General Fund Debt | do | 5, | 981,58[illegible] 68 |
| Sinking Fund for the redemption of the loans for payment of the floating debt | do | 9, | 707,401 36 |
| Investment of premiums on loans | do | 11, | 12,014 66 |
| Fund for extraordinary repairs | do | 13, | 1,170,436 63 |
| Fund for the Albany basin | do | 17, | 706 58 |
| Taxes of 1866 | do | 19, | 269 30 |
| Fund for the enlargement and completion of the canals | do | 23, | 295,215 13 |
| Fund for the improvement of the Champlain canal | do | 25, | [illegible] 46 |
| Fund for the enlargement of the Champlain canal | do | 27, | 775 11 |
| Fund for the extension of the Chenango canal | do | 29, | 90,458 16 |
| Fund for the reconstruction of the Oneida Lake canal | do | [illegible] | [illegible] 02 |
| Repair Trust Fund | do | [illegible] | [illegible] 65 |
| Temporary loan of the Manhattan Company | do | [illegible] | 200,000 00 |
| Fund of Erie and Champlain canals | do | [illegible] | 202,344 01 |
| Oswego canal | do | [illegible] | 1,399 91 |
| Black river canal | do | [illegible] | 824 [illegible] |

| | | |
|---|---|---|
| Balance on hand 30th September, 1871 | | 4,499,617 02 |
| | | $224,742,277 41 |
| With the above balance of | | $4,449,617 02 |
| There is due to re-imburse the advances for over-payment on canals, viz.: | | |
| On account of the Erie and Champlain canals | See No. 39, | 8,966 48 |
| On account of Sinking Fund for redemption of debt for enlargement and completion of the canals | 6, | 356,766 65 |
| | | $4,865,350 15 |

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# ANNUAL REPORT

OF THE

# Auditor of the Canal Department

RELATIVE TO THE

# EXPENDITURES ON THE CANALS

## OF THE STATE OF NEW YORK.

TRANSMITTED TO THE LEGISLATURE JANUARY 2, 1872.

ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

# STATE OF NEW YORK.

No 5.

# IN ASSEMBLY,

January 2, 1872.

## ANNUAL REPORT

OF THE AUDITOR OF THE CANAL DEPARTMENT RELATIVE TO THE EXPENDITURES ON THE CANALS OF THE STATE OF NEW YORK.

STATE OF NEW YORK:

CANAL DEPARTMENT,
ALBANY, *January* 2, 1872.

*To the Honorable the Speaker of the Assembly:*

SIR.—I herewith transmit the Annual Report required by law from this Department, showing the expenditures on the canals for the fiscal year ending the 30th September last.

I have the honor to be,

Your obedient servant,

G. A. DAYTON, *Auditor.*

# REPORT.

STATE OF NEW YORK:

CANAL DEPARTMENT,
ALBANY, *December* 1, 1871.

*To the Legislature:*

The Auditor of the Canal Department, in obedience to the requirements of the statute, submits the following report of expenditures on the several canals of this State for the fiscal year ending the 30th September, 1871.

BY CANAL COMMISSIONERS.

The following is a summary statement of the amounts expended by the several Commissioners during such fiscal year, the particular items of which are fully exhibited in the tables appended hereto, and particularly referred to in such summary.

*Expended by the Canal Commissioners, including their salaries, for the fiscal year ending the 30th September*, 1871.

*Erie Canal.* — See A.

| | | |
|---|---|---|
| George W. Chapman | $525,700 36 | |
| Stephen T. Hayt | 1,373 65 | |
| William W. Wright | 175,725 01 | |
| John D. Fay | 578,675 00 | |
| | | $1,281,474 02 |

*Champlain Canal.* — See B.

| | |
|---|---|
| George W. Chapman | 265,688 09 |
| Carried forward | $1,547,162 11 |

| | | |
|---|---|---|
| Brought forward | | $1,547,162 11 |
| *Erie Canal Enlargement.*—See C. | | |
| George W. Chapman | $1,259 00 | |
| William W. Wright | 15,753 25 | |
| John D. Fay | 1,945 00 | |
| | | 18,957 25 |
| *Oswego Canal.*—See D. | | |
| William W. Wright | | 171,257 79 |
| *Cayuga and Seneca Canal.*—See E. | | |
| William W. Wright | | 31,505 88 |
| *Chemung Canal.*—See F. | | |
| William W. Wright | | 184,802 43 |
| *Crooked Lake Canal.*—See G. | | |
| William W. Wright | | 14,028 28 |
| *Chenango Canal.*—See H. | | |
| William W. Wright | | 223,506 89 |
| *Black River Canal.*—See I. | | |
| George W. Chapman | | 65,734 87 |
| *Genesee Valley Canal.*—See J. | | |
| John D. Fay | | 135,061 96 |
| *Oneida Lake Canal.*—See K. | | |
| William W. Wright | | 51,614 45 |
| *Oneida River Improvement.*—See L. | | |
| William W. Wright | | 37,299 56 |
| *Baldwinsville Canal.*—See M. | | |
| William W. Wright | | 350 00 |
| | | $2,481,281 47 |

The following sums were in the hands of the Canal Commissioners at the close of the fiscal year, viz.:

| | |
|---|---|
| George W. Chapman | $4,052 45 |
| William W. Wright | 4,815 61 |
| John D. Fay | 98 42 |
| | $8,966 48 |

*The following table exhibits the expenditures by the Canal Commissioners for clerk hire, travel fees and sundry incidental expenses:*

| ITEMS. | George W. Chapman, Canal Commissioner. | William W. Wright, Canal Commissioner. | John D. Fay, Canal Commissioner. | Total. |
|---|---|---|---|---|
| Clerk hire (regular) | $1,485 00 | $1,620 00 | $1,620 00 | $4,725 00 |
| Clerk hire (extra) | 22 50 | 100 00 | ..... | 122 50 |
| Travel fees of Commissioners | 300 00 | 400 00 | 300 00 | 1,000 00 |
| Office rent | 150 00 | 37 50 | 200 00 | 387 50 |
| Stationery | 478 73 | 89 08 | ..... | 567 81 |
| Postage | 340 04 | 148 25 | 51 86 | 540 15 |
| Telegraphing | 332 10 | 669 47 | 49 16 | 1,050 73 |
| Incidentals | 524 19 | 431 86 | 50 25 | 1,006 30 |
| Total | $3,632 56 | $3,496 16 | $2,271 27 | $9,399 99 |

## By Engineers.

The expenses of the engineer corps on the several canals in this State, during the last fiscal year, amount to the sum of $56,508.18. Such expenditures are particularly set forth in Statement N, appended hereto, and are distributed among the several canals as follows:

| | |
|---|---|
| Erie canal | $11,371 90 |
| Champlain canal | 18,141 86 |
| Black River canal | 817 00 |
| Oswego canal | 1,528 85 |
| Cayuga and Seneca canal | 619 00 |
| Chemung canal | 1,090 68 |
| Crooked Lake canal | 408 61 |
| Chenango canal | 13,846 79 |
| Oneida Lake canal | 3,689 05 |
| Otisco Lake | 1,100 00 |
| Genesee Valley canal | 2,537 69 |
| Erie Canal Survey for Reservoirs | 1,356 75 |
| | $56,508 18 |

## BY CANAL COMMISSIONERS.

The expenses of the engineer corps on the several canals in this State, during the last fiscal year, amount to the sum of $76,252.25. Such expenditures are particularly set forth in Statement O, appended hereto, and are distributed among the several canals as follows:

| | |
|---|---|
| Erie canal | $47,394 33 |
| Champlain canal | 4,984 50 |
| Black River canal | 512 00 |
| Oswego canal | 3,812 88 |
| Cayuga and Seneca canal | 1,366 00 |
| Chemung canal | 6,175 04 |
| Crooked Lake canal | 1,006 00 |
| Chenango canal | 3,945 00 |
| Oneida Lake canal | 15 00 |
| Genesee Valley canal | 7,041 50 |
| | $76,252 25 |

Statement (P) exhibits the expenditures of the engineer corps on the several canals of the State, for the last ten years, with the following result:

| | |
|---|---|
| 1862 | $64,029 39 |
| 1863 | 43,908 40 |
| 1864 | 52,585 31 |
| 1865 | 47,305 00 |
| 1866 | 52,851 90 |
| 1867 | 73,222 42 |
| 1868 | 73,572 46 |
| 1869 | 111,364 14 |
| 1870 | 145,738 10 |
| 1871 | 132,760 43 |

Statement (Q) gives the amount expended for repairs by each superintendent and Canal Commissioner, and the amount paid to each contractor for repairs, with the average cost per mile.

Statement (R) gives the amount expended for repairs by the superintendents, including payments to repair contractors on all

the canals of the State, for the years ending the 30th September, 1870 and 1871.

Statement (S) gives the cost of repairs of breaches on each division of the canals in 1870 and 1871.

Statement (T) gives the expenditures for repairs by the superintendents and Canal Commissioners, including payments to repair contractors, on each canal, for the years ending the 30th September, 1870 and 1871.

Statement (U) gives the average cost per mile for each division of the Erie canal, by the superintendents, including payments to repair contractors, from 1835 to 1871 inclusive.

Statement (V) gives the amount expended by the superintendents and resident engineers, including payments to repair contractors, and the average cost per mile on each and all of the canals, from 1826 to 1871.

Statement (W) gives the total amount expended for repairs of old and the erection of new work on the Erie canal, divided into three sections, and the average cost per mile of each section, from 1835 to 1871.

Statement (X) gives the total amounts expended for repairs of old and the erection of new work on the Champlain canal, and the average cost per mile from 1835 to 1871 inclusive.

Statement (Y) gives the expenditures for repairs on each Canal Commissioner's division for the years 1870 and 1871.

Statement (Z) gives the expenditures for repairs by the superintendents, resident engineers and Canal Commissioners, including payments to repair contractors for nineteen years ending with 1871, and the average cost per mile for the first nine and the last ten years of said period.

Respectfully submitted.

G. A. DAYTON, *Auditor.*

# DOCUMENTS.

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## ( A. )

### ERIE CANAL.

*Vouchers rendered by George W. Chapman, Canal Commissioner, for payments by him on the Erie Canal.*

Salary from 1st July, 1870, to 1st July, 1871 ..... $2,000 00

MISCELLANEOUS PAYMENTS.

| 1870. | | | | |
|---|---|---|---|---|
| June | 30. | W. S. Lee's check roll for May, 1870, for slope and pavement wall from a point one-half mile above upper aqueduct to lock 20 ..... | $44 75 | |
| July | 31. | W. S. Lee's check roll for June, 1870, for slope and pavement wall from a point one-half mile above upper aqueduct to lock 20 ..... | 57 11 | |
| Aug. | 31. | W. S. Lee's check roll for July, 1870, for slope and pavement wall from a point one-half mile above upper aqueduct to lock 20 ..... | 3 50 | |
| | | J. A. Mabee, pumping dredge.. | 1 00 | |
| Sept. | 30. | J. J. Martlett, publishing notice to contractors ..... | 6 25 | |
| | | E. Bannin, stone for vertical wall at upper aqueduct ..... | 14 00 | |
| Oct. | 31. | Murray & Goodwin, printing for resident engineer's office.. | 37 50 | |
| | | C. W. Van Santford, publishing notice to contractors..... | 26 25 | |
| | | Carried forward..... | 392 56 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $392 56 | $2,000 00 |
| Oct. 31. | W. F. Williams, publishing notice to contractors | 26 25 | |
| | D. Southard, stone for slope and pavement wall at upper aqueduct | 12 25 | |
| | Charles Eaton, stone for slope and pavement wall at upper aqueduct | 69 00 | |
| | O. Knowlton, stone for slope and pavement wall at upper aqueduct | 4 00 | |
| | H. Wessel, stone for slope and pavement wall at upper aqueduct | 18 00 | |
| | U. V. Burt, stone for slope and pavement wall at upper aqueduct | 15 00 | |
| | C. McKain, stone for slope and pavement wall at upper aqueduct | 10 00 | |
| | M. Keeler, stone for slope and pavement wall at upper aqueduct | 30 00 | |
| | W. S. Lee's check roll for September, slope and pavement wall at upper aqueduct, and repairing feeder | 1,232 18 | |
| | R. Bentley, stone for repairing feeder | 5 63 | |
| | W. Bailey, stone for repairing feeder | 68 00 | |
| | Beers & Kippinger, publishing notice to contractors | 26 25 | |
| | C. M. Noxon, assisting taking inventory | 22 50 | |
| | C. M. Thompson, salary, clerk division engineer | 130 00 | |
| | J. A. Cooper, services as draughtsman | 130 00 | |
| | M. H. Roberts, services as assistant draughtsman | 104 00 | |
| | G. F. Oliver, services as assistant engineer | 130 00 | |
| | G. M. Barnes, services as assistant engineer | 130 00 | |
| | R. J. Cantwell, services as assistant engineer | 45 00 | |
| | Carried forward | $2,600 62 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $2,600 62 | $2,000 00 |
| Oct. 31. | Samuel Moak, services as leveler | 91 00 | |
| | F. J. Harris, services as rodman, | 78 00 | |
| | F. J. Harding, services as axeman | 7 50 | |
| | Dana Reed, services as inspector, | 104 00 | |
| | L. L. Lovell, services as inspector | 104 00 | |
| | Edwin Sears, services as inspector | 104 00 | |
| | Alexander Robertson, services as inspector | 104 00 | |
| | George L. Waters, rent of engineer's office at Utica | 29 16 | |
| | A. & P. Telegraph Co., telegraphing, division engineer's office | 1 38 | |
| | Albany Post-office, postage stamps | 15 00 | |
| | Ballston Gas Co., gas, Ballston office | 16 80 | |
| | Hegeman & Shiffer, docking boats, slope and pavement wall at upper aqueduct | 89 85 | |
| | B. L. Conde, hardware (same work) | 52 91 | |
| | Clute & Reagles, repairing wheelbarrows (same work) | 55 75 | |
| | A. B. Knowlton, stone (same work) | 42 80 | |
| | Van Vorst, Vedder & Co., lumber (same work) | 16 50 | |
| | E. Bannin, stone for vertical wall on feeder | 66 00 | |
| | M. Larkin, services as patrolman | 60 00 | |
| | Henry Miller, services as patrolman | 60 00 | |
| | Charles Pierce, services as patrolman | 60 00 | |
| | F. R. Osborne, services as patrolman | 60 00 | |
| | M. McDonough, services as patrolman | 60 00 | |
| | J. Morris, services as patrolman, | 60 00 | |
| | M. Walsh, services as patrolman | 60 00 | |
| | Carried forward | $3,999 27 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $3,999 27 | $2,000 00 |
| Oct. 31. | M. Driscoll, services as patrolman | 60 00 | |
| | A. M. U. Express Co., freight, division engineer's office | 8 40 | |
| | W. U. Telegraph Co., telegraphing, engineer's office, Albany | 46 02 | |
| | J. Crummey, services as patrolman | 60 00 | |
| | P. M. Murphy, services as patrolman | 60 00 | |
| | Edward Vaughn, services as inspector | 104 00 | |
| | M. Benlars, check roll for September and October, extending west wall of White street bridge, Cohoes | 285 42 | |
| | Younglove & Humphrey, cement for White street bridge, | 22 50 | |
| | Younglove, Dunsback & Co., cement for White street bridge, | 36 75 | |
| | J. Travis, lumber for White street bridge | 11 06 | |
| | B. Mulcahy, repairing tools for White street bridge | 3 50 | |
| | M. Slavan, sand for White street bridge | 26 25 | |
| | Dunsback & Lamb, stone for White street bridge | 201 00 | |
| | Ballston post-office, postage stamps | 9 00 | |
| | American M. U. Express Co., freight, Albany office | 9 15 | |
| | W. U. Telegraph Co., telegraphing, Albany office | 24 86 | |
| | Anton Weller, stove, Albany office | 44 60 | |
| | Henly & Co., paper, Albany office | 16 00 | |
| | H. Gallien, deputy comptroller, stationery, Albany office | 25 15 | |
| | Albany post-office, postage stamps | 30 00 | |
| | George L. Ames, services and travel as division agent, October | 185 00 | |
| | Carried forward | $5,267 93 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $5,267 93 | $2,000 00 |
| Oct. | 31. N. Ackley, salary, clerk board Canal Commissioners | 135 00 | |
| | E. H. Chapman, salary, clerk Canal Commissioner | 135 00 | |
| | John Stephens, washing towels, Albany office | 8 00 | |
| | S. H. Alexander, check roll for September, 1870, dredging and removing gravel and sand-bars from prism of canal, | 417 75 | |
| Nov. | 30. George M. Barnes, services as assistant engineer | 130 00 | |
| | R. J. Cantwell, services as assistant engineer | 54 00 | |
| | Edward Vaughn, services as inspector | 104 00 | |
| | A. H. Collins, towing dredge | 57 50 | |
| | Charles Pierce, services as patrolman, October | 60 00 | |
| | John Morris, services as patrolman | 60 00 | |
| | John Crummey, services as patrolman | 60 00 | |
| | Michael Driscoll, services as patrolman | 60 00 | |
| | M. McDonough, services as patrolman | 60 00 | |
| | Michael Walsh, services as patrolman | 60 00 | |
| | Silsby Manufacturing Co., steam pump, etc | 679 67 | |
| | F. J. Harris, services as rodman, | 78 00 | |
| | Harrison Gilmore, coal and wood for dredge | 9 75 | |
| | J. L. Rockwell, towing dredge, | 6 00 | |
| | Philo S. Curtiss, machinist, dredge | 2 30 | |
| | E. B. Armstrong, coal, dredge, | 40 00 | |
| | S. Adams & Son, repairs, dredge | 21 64 | |
| | S. H. Alexander, check roll for October, dredging section No. 5, Erie | 438 75 | |
| | Fred. R. Osborne, services as patrolman, October | 60 00 | |
| | M. Larkin, services as patrolman | 60 00 | |
| | Carried forward | $8,065 29 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $8,065 29 | $2,000 00 |
| Nov. 30. | P. M. Murphy, services as patrolman | 60 00 | |
| | H. Miller, services as patrolman, | 60 00 | |
| | E. B. Spraker, land damages, gravel, etc., Spraker's Basin, | 64 03 | |
| | Weed, Parsons & Co., printing, | 852 50 | |
| | Argus Company, printing, division engineer's office | 537 50 | |
| | N. Y. C. R. R. Co., freight on pump | 11 63 | |
| | Edwin Sears, services as inspector | 104 00 | |
| | Alex. Robertson, services as inspector | 104 00 | |
| | C. Guardinier, labor, repairs for dredge | 26 00 | |
| | Jno. A. Cooper, services as draughtsman | 130 00 | |
| | Chas. M. Thompson, salary as office assistant | 130 00 | |
| | M. H. Roberts, services as assistant draughtsman | 104 00 | |
| | G. F. Oliver, services as assistant engineer | 130 00 | |
| | E. H. Chapman, salary, clerk of Canal Commissioner, November | 135 00 | |
| | L. L. Lowell, services as inspector | 104 00 | |
| | National Ex. Co., freight, Albany office | 8 25 | |
| | W. U. Tel. Co., telegraphing, Albany office | 21 25 | |
| | Albany Post-office, postage stamps | 12 00 | |
| | N. Ackley, salary, clerk board of Canal Commissioners, November | 135 00 | |
| | Geo. L. Ames, salary and travel division agent, November | 185 00 | |
| | R. Harris, September check roll for digging ditch north Rocky Rift feeder | 115 08 | |
| | A. M. U. Ex. Co., freight on pipes | 2 40 | |
| | R. Harris, October check roll for digging ditch north Rocky Rift feeder | 217 81 | |
| | Carried forward | $11,314 74 | $2,000 00 |

| | | | |
|---|---|---|---|
| | Brought forward | $11,314 74 | $2,000 00 |
| Dec. | 31. S. H. Alexander, check roll for November, dredging canal at Rome | 336 50 | |
| | Philo S. Curtiss, materials for dredge | 24 33 | |
| | E. B. Armstrong, coal for dredge | 21 75 | |
| | E. S. Abbe, wood for dredge | 6 00 | |
| | Ehresman & Kinsey, wood for dredge | 24 00 | |
| | H. Jacobs, line for dredge | 12 19 | |
| | J. J. Armstrong, pump for dredge | 6 50 | |
| | S. H. Alexander, materials for dredge | 22 68 | |
| | Geo. W. Chapman, mileage account, three months, to December 31 | 100 00 | |
| | Wm. T. Odell, services as counsel | 439 50 | |
| | Geo. M. Barnes, services as assistant engineer | 156 00 | |
| | P. J. Kinney, services as leveler | 117 00 | |
| | Jas. M. Ball, services as rodman | 45 00 | |
| | Joseph Fowler, land damages | 50 00 | |
| | Michael Driscoll, services as patrolman from November 1, to December 10 | 80 00 | |
| | Henry Miller, services as patrolman from November 1 to December 10 | 80 00 | |
| | Fred. R. Osborne, services as patrolman from November 1 to December 10 | 80 00 | |
| | Michael Larkin, services as patrolman from November 1 to December 10 | 80 00 | |
| | Chas. Pierce, services as patrolman from November 1 to December 10 | 80 00 | |
| | John Crummey, services as patrolman from November 1 to December 10 | 80 00 | |
| | Michael Walsh, services as patrolman from November 1 to December 10 | 80 00 | |
| | Carried forward | $13,236 19 | $2,000 00 |

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| | Brought forward | $13,236 19 | $2,000 00 |
| Dec. 31. | John Morris, services as patrolman from November 1 to December 10 | 80 00 | |
| | M. McDonough, services as patrolman from November 1 to December 10 | 80 00 | |
| | P. M. Murphy, services as patrolman from November 1 to December 10 | 74 00 | |
| | Angell Matthewson, publishing notice to contractors | 20 12 | |
| | Chas. M. Thompson, services as office assistant | 130 00 | |
| | John A. Cooper, services as draughtsman | 130 00 | |
| | G. F. Oliver, services as assistant engineer | 130 00 | |
| | Wm. Campbell, towing dredge, | 6 00 | |
| | L. L. Lowell, services as inspector | 104 00 | |
| | M. H. Roberts, services as assistant draughtsman | 104 00 | |
| | Edward Vaughn, services as inspector | 104 00 | |
| | F. G. Harris, services as rodman | 78 00 | |
| | C. B. Freeman, publishing notice to contractors | 20 10 | |
| | A. & W. B. Matthewson, publishing notice to contractors, | 20 12 | |
| | E. H. Pease, stationery, commissioners' office | 46 75 | |
| | Wm. D. Murphy, services as counsel before canal appraisers | 1,095 00 | |
| | A. McKain, land damages | 150 00 | |
| | A. M. U. Ex. Co., freight, Albany office | 6 15 | |
| | Albany Post-office, postage stamps, Albany office | 29 05 | |
| | E. H. Chapman, salary as commissioners' clerk | 135 00 | |
| | W. U. Tel. Co., telegraphing Albany office | 25 07 | |
| | N. Ackley, salary, clerk Board Canal Commissioners, December | 135 00 | |
| | Carried forward | $15,938 55 | $2,000 00 |

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| | | Brought forward | $15,938 55 | $2,000 00 |
| Dec. | 31. | Geo. L. Ames, salary and travel division agent | 185 00 | |
| 1871. | | | | |
| Jan. | 31. | Ballston P. O., postage stamps, | 9 00 | |
| | | C. M. Thompson, services as office assistant | 135 00 | |
| | | John A. Cooper, services as draughtsman | 135 00 | |
| | | M. H. Roberts, services as assistant draughtsman | 108 00 | |
| | | G. M. Barnes, services as assistant engineer | 162 00 | |
| | | R. D. Shephard, services as assistant engineer | 135 00 | |
| | | G. F. Oliver, services as assistant engineer | 135 00 | |
| | | P. J. Kinny, services as leveler, | 121 50 | |
| | | James M. Ball, services as rodman | 81 00 | |
| | | Edward Vaughn, services as inspector | 108 00 | |
| | | W. S. Lee, services as rodman, | 108 00 | |
| | | F. J. Harris, services as rodman | 81 00 | |
| | | Jos. McCann, fixtures division engineer's office | 15 50 | |
| | | Albany P. O., postage stamps, division engineer's office | 15 00 | |
| | | W. U. Tel. Co., telegraphing, division engineer's office | 42 07 | |
| | | Rowley Bros. & Co., stationery, engineer's office, Utica | 16 40 | |
| | | W. U. Tel. Co., telegraphing, engineer's office, Utica | 3 93 | |
| | | A. E. Culver & Co., freight, engineer's office, Utica | 10 00 | |
| | | H. Gilmore, coal, engineer's office, Utica | 17 00 | |
| | | G. M. Barnes, expenses, engineer's office, Utica | 10 75 | |
| | | John J. Luther, rent Ballston office, six months | 100 00 | |
| | | George L. Ames, salary and travel as division agent | 185 00 | |
| | | E. H. Chapman, salary, clerk Canal Commissioner, E. D., January | 135 00 | |
| | | Carried forward | $17,992 70 | $2,000 00 |

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| | | Brought forward | $17,992 70 | $2,000 00 |
| Jan. | 31. | N. Ackley, salary, clerk Board Canal Commissioners | 135 00 | |
| | | L. L. Lowell, services as inspector | 108 00 | |
| | | J. W. Church, agent, rent engineer's office, Utica | 43 75 | |
| | | A. Lovie, locks, etc., Albany office | 10 00 | |
| | | P. Allanson, locks, etc., Albany office | 3 55 | |
| | | E. Darrow, time book | 5 00 | |
| | | A. M. U. Ex. Co., freight, division engineer's office | 4 85 | |
| | | W. U. Tel. Co., telegraphing, commissioners' office | 14 40 | |
| | | A. M. U. Express Co., freight, Albany office | 8 95 | |
| | | Albany P. O., postage stamps | 12 44 | |
| | | W. U. Tel. Co., telegraphing, Ballston office | 31 83 | |
| | | Christian Snell, land damages | 67 50 | |
| | | E. R. Seward & Co., two new dump scows, to accompany State dredge | 1,800 00 | |
| | | G. F. Oliver, services as assistant engineer | 130 00 | |
| Feb. | 28. | Edwin Sears, services as inspector | 104 00 | |
| | | C. M. Thompson, services as office assistant | 130 00 | |
| | | John A. Cooper, services as draughtsman | 130 00 | |
| | | M. H. Roberts, services as assistant draughtsman | 104 00 | |
| | | G. M. Barnes, services as assistant engineer | 156 00 | |
| | | P. J. Kinny, services as leveler, | 117 00 | |
| | | F. J. Harris, services as rodman, | 78 00 | |
| | | J. M. Ball, services as rodman, | 78 00 | |
| | | W. S. Lee, services as rodman, | 104 00 | |
| | | Edward Vaughn, services as inspector | 104 00 | |
| | | L. L. Lowell, services as inspector | 104 00 | |
| | | R. D. Shephard, services as assistant engineer | 130 00 | |
| | | Saml. Moak, services as leveler, | 104 00 | |
| | | Carried forward | $21,810 97 | $2,000 00 |

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| | Brought forward | $21,810 97 | $2,000 00 |
| Feb. 28. | J. H. Slingerland, services as rodman | 65 00 | |
| | Garrit Visscher, services as axe-man | 62 50 | |
| | Tunis Cragier, services as tape-man | 50 00 | |
| | W. U. Tel. Co., telegraphing, Albany office | 21 38 | |
| | Albany P. O., postage stamps | 22 00 | |
| | A. M. U. Express Co., freight, Albany office | 7 00 | |
| | Ballston Gas Co., gas, Ballston office | 13 70 | |
| | National Express Co., freight, Albany office | 5 80 | |
| | A. Keith, lumber for bulk-head and stop-gate at upper aque-duct | 173 36 | |
| | Geo. L. Ames, salary and travel as division agent | 185 00 | |
| | N. Ackley, salary, clerk Board Canal Commissioners | 135 00 | |
| | E. H. Chapman, salary, clerk of Canal Commissioner, E. D. | 135 00 | |
| | F. J. Harris, services as rodman, | 21 00 | |
| March 31. | Charles M. Thompson, services as office assistant | 120 00 | |
| | Leslie Smyth, services as office assistant | 84 00 | |
| | John A. Cooper, services as draughtsman | 120 00 | |
| | M. H. Roberts, services as assist-ant draughtsman | 96 00 | |
| | R. D. Shephard, services as as-sistant engineer | 120 00 | |
| | George M. Barnes, services as leveler | 144 00 | |
| | Samuel Moak, services as leveler, | 96 00 | |
| | P. J. Kinney, services as leveler, | 108 00 | |
| | J. H. Slingerland, services as rodman | 60 00 | |
| | J. M. Ball, services as rodman | 72 00 | |
| | W. S. Lee, services as rodman | 96 00 | |
| | Horatio Seymour, Jr., services as tapeman | 54 00 | |
| | Joseph Bryer, services as in-spector | 96 00 | |
| | Carried forward | $23,973 71 | $2,000 00 |

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| | Brought forward | $23,973 71 | $2,000 00 |
| March 31. | L. L. Lovell, services as inspector | 96 00 | |
| | Edward Vaughn, services as inspector | 96 00 | |
| | Silsby Manufacturing Co., repairs State dredge | 7 32 | |
| | Garrit Vischer, services as axeman | 60 00 | |
| | Tunis Cragin, services as tapeman | 60 00 | |
| | W. U. Telegraph Co., telegraphing, Albany office | 24 99 | |
| | A. M. U. Express Co., freight, Albany office | 9 00 | |
| | Albany post-office, postage stamps, etc | 55 11 | |
| | George L. Ames, salary and travel as division agent, March | 185 00 | |
| | N. Ackley, salary, clerk board Canal Commissioners, March, | 135 00 | |
| | E. H. Chapman, salary, clerk Canal Commissioner, E. D., March | 135 00 | |
| | George W. Chapman, mileage account for quarter ending March 31, 1871 | 100 00 | |
| April 30. | J. O. Leach, P. M., postage stamps, Ballston office | 9 00 | |
| | J. J. Luther, rent, Ballston office | 50 00 | |
| | Taylor & Waterman, carpets, etc., Albany office | 289 90 | |
| | E. W. Hopkins, check roll for March, repairs, Utica weigh lock | 285 00 | |
| | E. W. Hopkins, check roll for April, repairs, Utica weigh lock | 61 00 | |
| | W. M. Healey, blacksmithing, Utica weigh lock | 12 70 | |
| | H. Whitmore, materials, Utica weigh lock | 24 35 | |
| | P. S. Curtiss, hardware, Utica weigh lock | 27 50 | |
| | W. U. Telegraph Co., telegraphing, Utica weigh lock | 3 76 | |
| | Carried forward | $25,700 34 | $2,000 00 |

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| Brought forward | | $25,700 34 | $2,000 00 |
| April 30. | S. E. Babcock, services as assistant engineer | 148 50 | |
| | J. A. Cooper, services as draughtsman | 135 00 | |
| | S. Thorn, services as assistant engineer | 121 50 | |
| | C. M. Thompson, services as office assistant | 135 00 | |
| | M. H. Roberts, services as assistant draughtsman | 108 00 | |
| | W. H. Newkirk, services as leveler | 108 00 | |
| | Leslie Smyth, services as office assistant | 94 50 | |
| | Edward Vaughn, services as inspector | 108 00 | |
| | H. Bogue, stakes for engineers, | 25 00 | |
| | James McCann, fixtures, division engineer's office | 10 05 | |
| | Albany post-office, postage stamps | 9 00 | |
| | R. D. Shephard, services as assistant engineer | 135 00 | |
| | W. S. Lee, services as leveler | 108 00 | |
| | G. Vischer, services as axeman, | 57 50 | |
| | T. Cragier, services as tapeman, | 57 50 | |
| | J. H. Slingerland, services as rodman | 67 50 | |
| | S. Moak, services as leveler | 108 00 | |
| | J. Boyer, services as inspector, | 108 00 | |
| | L. L. Lowell, services as inspector | 108 00 | |
| | G. M. Barnes, services as assistant engineer | 162 00 | |
| | G. M. Barnes, expenses, engineer's office, Utica | 9 50 | |
| | P. J. Kinney, services as leveler, | 121 50 | |
| | J. M. Ball, services as rodman, | 81 00 | |
| | W. U. Telegraph Co., telegraphing, division engineer's office | 24 02 | |
| | H. Gilmore, coal, division engineer's office, Utica | 20 00 | |
| | Grove & Bailey, printing, division engineer's office | 5 00 | |
| | W. U. Tel. Co., telegraphing, division engineer | 5 37 | |
| Carried forward | | $27,880 78 | $2,000 00 |

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| Brought forward | $27,880 78 | $2,000 00 |
| April 30. J. W. Church, agent, rent, engineer's office | 43 75 | |
| Rowley, Bros. & Co., stationery, engineer's office | 13 25 | |
| A. M. U. Ex. Co., freight, engineer's office | 6 90 | |
| Geo. L. Ames, salary and travel as division agent, April | 185 00 | |
| Allen Corey, publishing notice to contractors | 19 25 | |
| Atkinson & Kelly, publishing notice to contractors | 19 25 | |
| W. U. Tel. Co., telegraphing, Ballston office | 17 00 | |
| W. U. Tel. Co., telegraphing, Albany office | 41 46 | |
| A. M. U. Ex. Co., freight, Albany office | 12 20 | |
| Albany P. O., postage stamps | 24 00 | |
| N. Ackley, salary, clerk board Canal Commissioners, April, | 135 00 | |
| E. H. Chapman, salary, clerk to Canal Commissioner E. D., April | 135 00 | |
| Peter Hogan, expenses incurred in testing hydrostatic scales, as per resolution Canal Board July 20, 1869 | 61 13 | |
| Comptroller, S. N. Y., stationery, Albany office | 55 83 | |
| A. Miggael, publishing notice to contractors | 19 25 | |
| National Ex. Co., freight, Albany office | 15 20 | |
| R. D. Castor's check roll for removing rock bottom at Finck's Basin | 1,963 58 | |
| Shephard & Skinner, hardware, Finck's Basin | 368 82 | |
| Lansing & Fonda, lime, Finck's Basin | 274 00 | |
| J. A. Lebart, blacksmithing, Finck's Basin | 88 18 | |
| Tefft Bros., sand, Finck's Basin, | 28 50 | |
| Ezra Smith, materials, Finck's Basin | 16 81 | |
| H. Boyer, use of tools, Finck's Basin | 15 00 | |
| Carried forward | $31,439 14 | $2,000 00 |

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| Brought forward | | $31,439 14 | $2,000 00 |
| April 30. | Ladue & Schuyler, lumber, Finck's Basin | 14 63 | |
| | P. Conyne, lumber and work, Finck's Basin | 14 00 | |
| | A. H. Finck, hardware, Finck's Basin | 3 96 | |
| | Jacob Moll, rollers, Finck's Basin | 3 21 | |
| | Thos. Fox, hardware, Finck's Basin | 0 50 | |
| | W. J. Skinner, Jr., check roll, improvement of Erie canal, above Lock 39 | 1,202 74 | |
| | Shephard & Skinner, hardware, Lock 39 | 104 45 | |
| | J. A. Lebart, blacksmithing, Lock 39 | 18 38 | |
| | Ladue & Schuyler, lumber, Lock 39 | 17 50 | |
| | P. C. Caster, blacksmithing, Lock 39 | 13 20 | |
| | J. Boyer, stone boats, Lock 39, | 10 00 | |
| | P. Conyne, materials, Lock 39, | 8 55 | |
| | H. T. Perry, hardware, Lock 39, | 4 33 | |
| | R. Hathaway, check roll for March and April, slope and pavement wall and stop-gate from Lock 20 to upper aqueduct | 613 25 | |
| | John Stephens, cleaning, etc., Albany office | 24 60 | |
| May 31. | S. E. Babcock, services as assistant engineer | 137 50 | |
| | C. H. Loomis, unpaid labor, slope and pavement wall from lock No. 20 to Lower Mohawk aqueduct | 56 25 | |
| | Sanford, Near & Clute, h'dware, slope and pavement wall from lock No. 20 to Lower Mohawk aqueduct | 16 24 | |
| | L. L. Leversee, stone | 12 50 | |
| | C. H. Van Vranken, blacksmithing and stop-gate | 44 10 | |
| | A. B. Knowlton | 22 86 | |
| | J. Cantine & Co., furnace | 197 90 | |
| | B. L. Conde, hardware | 18 60 | |
| Carried forward | | $33,998 39 | $2,000 00 |

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| | Brought forward | $33,998 39 | $2,000,00 |
| May 31. | Van Vorst, Vedder & Co., lumber | 68 63 | |
| | Van De Bogart Bros., lumber | 14 56 | |
| | A. McMullen, cement | 70 00 | |
| | N. Y. C. R. R. Co., freight | 41 00 | |
| | W. H. Hebner, rope, etc | 18 49 | |
| | J. H. Benedict, stone | 8 00 | |
| | M. Gardner, manure | 9 00 | |
| | H. Parker, manure | 8 00 | |
| | C. M. Thompson, services as office assistant | 125 00 | |
| | Leslie Smyth, services as office assistant | 77 00 | |
| | J. A. Cooper, services as draughtsman | 125 00 | |
| | W. H. Roberts, services as assistant draughtsman | 100 00 | |
| | G. M. Barnes, services as assistant engineer | 150 00 | |
| | R. D. Shephard | 125 00 | |
| | S. Thorn | 112 50 | |
| | W. S. Lee, services as leveler | 100 00 | |
| | W. H. Newkirk | 100 00 | |
| | Henry Switzer, boatman, sounding Albany basin | 2 50 | |
| | F. W. Thompson | 6 25 | |
| | John Mulpeters, use of boats | 12 50 | |
| | John Roff, boatman | 20 00 | |
| | Gar. Vischer, services as axeman | 42 50 | |
| | J. H. Slingerland, services as rodman | 62 50 | |
| | Edward Vaughn, services as inspector | 100 00 | |
| | F. R. Osborn | 40 00 | |
| | L. L. Lowell | 100 00 | |
| | Joseph Boyer | 86 00 | |
| | J. W. Church, agent, rent engineer's office, Utica | 14 58 | |
| | P. J. Kinney, services as leveler, | 112 50 | |
| | S. Moak | 100 00 | |
| | Jas. M. Ball, services as rodman, | 75 00 | |
| | Silsby Manufacturing Co., elbow, etc., for steam pump | 7 53 | |
| | Tunis Cragier, services as tapeman | 42 50 | |
| | A. M. U. Ex. Co., expressage, Albany office | 2 85 | |
| | Carried forward | $36,077 78 | $2,000 00 |

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| | Brought forward | $36,077 78 | $2,000 00 |
| May 31. | Alex. Robertson, services as inspector Albany basin | 20 00 | |
| | E. H. Chapman, salary, clerk Canal Commissioner, E. D., May | 136 00 | |
| | N. Ackley, salary, clerk Board Canal Commissioners, May | 148 50 | |
| | Ballston Gas-light Co., gas, Commissioners' office, Ballston | 6 42 | |
| | Albany P. O., postage stamps, Albany office | 30 00 | |
| | W. U. Tel. Co., telegrams, Albany office | 25 07 | |
| | Geo. L. Ames, salary and travel as division agent, May | 185 00 | |
| | Rollin Haun, stone, etc., two bridges on Rocky Rift feeder, | 350 52 | |
| | Rollin Haun, check roll for March, Rocky Rift feeder | 56 25 | |
| | Rollin Haun, check roll for April, Rocky Rift feeder | 206 25 | |
| June 30. | Kollner & Williams, making bolts, etc., two bridges R. R. feeder | 51 00 | |
| | Alex. Robertson, services as inspector | 108 00 | |
| | Jno. A. Cooper, services as draughtsman | 135 00 | |
| | M. H. Roberts, services as draughtsman | 108 00 | |
| | G. M. Barnes, services as assistant engineer | 162 00 | |
| | Edward Vaughn, services as inspector | 108 00 | |
| | S. E. Babcock, services as assistant engineer | 148 50 | |
| | Stephen Thorn, services as assistant engineer | 121 50 | |
| | P. J. Kinney, services as leveler, | 121 50 | |
| | Samuel Moak, services as leveler, | 108 00 | |
| | Jno. H. Slingerland, services as rodman | 67 50 | |
| | C. M. Thompson, services as office assistant | 135 00 | |
| | Jas. M. Ball, services as rodman, | 81 00 | |
| | Geo. W. Chapman, mileage account | 100 00 | |
| | Carried forward | $38,796 79 | $2,000 00 |

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| | Brought forward | $38,796 79 | $2,000 00 |
| June | 30. E. H. Chapman, salary, clerk Canal Commissioner, June.. | 135 00 | |
| | W. J. Skinner, general foreman at Finck's Basin ..... | 132 00 | |
| | W. S. Lee, services as leveler .. | 108 00 | |
| | R. D. Shephard, services as assistant engineer..... | 135 00 | |
| | W. H. Newkirk, services as leveler ..... .. | 108 00 | |
| | Murray & Goodwin, stationery and printing, Albany office.. | 351 00 | |
| | A. M. U. Ex. Co., expressage, Albany office..... | 9 30 | |
| | Albany P. O., postage stamps, etc., Albany office ..... | 32 44 | |
| | W. U. Tel. Co., telegraphing, Albany office..... | 29 69 | |
| | W. U. Tel. Co., telegraphing, Ballston office ..... | 16 85 | |
| | Sampson, Davenport & Co., directory, commissioner's office, Albany ..... | 2 00 | |
| | N. Ackley, salary, clerk, Board Canal Commissioners, June.. | 148 50 | |
| | G. L. Ames, salary and travel as agent on canals, June .... | 185 00 | |
| July | 31. Atkinson & Kelly, publishing notice to contractors..... | 50 75 | |
| | C. B. Freeman, publishing notice to contractors..... | 50 75 | |
| | Grove & Bailey, publishing notice to contractors..... | 50 75 | |
| | Allen Corey, publishing notice to contractors..... | 50 75 | |
| | L. W. Flagg, publishing notice to contractors..... | 50 75 | |
| | C. C. Witherstine, publishing notice to contractors..... | 50 75 | |
| | E. H. Chapman, salary, clerk, Canal Commissioner, E. D.. | 135 00 | |
| | S. E. Babcock, services as assistant engineer ..... | 121 00 | |
| | C. M. Thompson, services as office assistant ..... | 130 00 | |
| | J. A. Cooper, services as draughtsman ..... | 130 00 | |
| | Carried forward ..... | $41,010 07 | $2,000 00 |

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| | Brought forward | $41,010 07 | $2,000 00 |
| July 31. | M. H. Roberts, services as draughtsman | 99 00 | |
| | James M. Ball, services as rodman | 78 00 | |
| | W. U. Tel. Co., telegraphing, division engineer's office | 32 78 | |
| | A. M. U. Ex. Co., expressage, division engineer's office | 9 90 | |
| | W. H. Newkirk, services as leveler | 104 00 | |
| | Alex. Robertson, services as inspector | 104 00 | |
| | Edward Vaughn, services as inspector | 104 00 | |
| | Newcomb & Co., stationery, div. engineer's office, Albany, | 30 20 | |
| | R. D. Shephard, services as assistant engineer | 130 00 | |
| | W. S. Lee, services as leveler | 88 00 | |
| | Stephen Thorn, services as assistant engineer | 117 00 | |
| | Isaac Thomas, services as inspector | 32 00 | |
| | J. H. Slingerland, services as rodman | 55 00 | |
| | Joseph Boyer, services as inspector | 92 00 | |
| | P. J. Kinney, services as leveler, | 99 00 | |
| | G. M. Barnes, services as assistant engineer | 156 00 | |
| | G. M. Barnes, expenses engineer's office, Utica | 15 10 | |
| | B. R. Robson, Jr., rent, engineer's office, Utica | 20 83 | |
| | A. Miggael, publishing notice to contractors | 50 75 | |
| | Elliott & Bowen, publishing notice to contractors | 50 75 | |
| | Albany Publishing Co., publishing notice to contractors | 50 75 | |
| | Mulligan, McGuire & Co., publishing notice to contractors | 50 75 | |
| | Ashe & Matthewson, publishing notice to contractors | 50 75 | |
| | Rome Co-operative Pub. Co., pub'g notice to contractors | 50 75 | |
| | Carried forward | $42,681 38 | $2,000 00 |

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| | Brought forward | $42,681 38 | $2,000 00 |
| July 31. | W. U. Tel. Co., telegraphing, Albany office | 34 26 | |
| | A. M. U. Ex. Co., expressage, Albany office | 3 45 | |
| | P. Allanson, lumber, Albany office | 4 22 | |
| | Albany P. O., stamps, Albany office | 16 00 | |
| | Geo. L. Ames, services and travel as division agent | 185 00 | |
| | N. Ackley, salary, clerk, board Canal Commissioners, July | 169 00 | |
| | Thos. S. Spofford, telegraphing, | 13 94 | |
| | J. M. Ball, services as rodman, | 15 00 | |
| Aug. 31. | L. F. Allen & Co., publishing notice to contractors | 50 75 | |
| | J. A. Cooper, services as draughtsman | 130 00 | |
| | C. M. Thompson, services as office assistant | 130 00 | |
| | T. H. Walworth, services as office assistant | 104 00 | |
| | Edward Vaughn, services as inspector | 104 00 | |
| | Stephen Thorn, services as assistant engineer | 117 00 | |
| | Isaac Thomas, services as inspector | 104 00 | |
| | G. M. Barnes, services as assistant engineer | 156 00 | |
| | W. H. Newkirk, services as leveler | 104 00 | |
| | Alexander Robertson, services as inspector | 104 00 | |
| | Clute Bros., iron, etc., repairing State dredge | 345 82 | |
| | R. D. Shephard, services as assistant engineer | 130 00 | |
| | F. X. Greene, publishing notice to contractors | 23 62 | |
| | Beers & Kessinger, publishing notice to contractors | 23 62 | |
| | Albany post-office, stamps, Albany office | 50 00 | |
| | A. M. U. Express Co., expressage, Albany office | 11 70 | |
| | Grove & Bailey, publishing notice to contractors | 23 62 | |
| | Carried forward | $44,834 38 | $2,000 00 |

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| | | Brought forward | $44,834 38 | $2,000 00 |
| Aug. | 31. | E. H. Chapman, salary, clerk Canal Commissioner, E. D. | 135 00 | |
| | | A. & P. Tel. Co., telegraphing, Albany office | 3 99 | |
| | | N. Ackley, salary, clerk board Canal Commissioners | 148 50 | |
| | | George L. Ames, salary and travel as division agent, E. D., | 185 00 | |
| Sept. | 30. | Sam'l Moak, services as leveler, | 108 00 | |
| | | Alexander Robertson, services as inspector | 108 00 | |
| | | W. H. Newkirk, services as leveler | 108 00 | |
| | | Dana Reed, services as inspector, | 108 00 | |
| | | Fred. R. Osborn, services as inspector | 40 00 | |
| | | R. D. Shephard, services as assistant engineer | 135 00 | |
| | | L. L. Nichols, services as assistant engineer | 84 40 | |
| | | Isaac Thomas, services as inspector | 108 00 | |
| | | Stephen Thorn, services as assistant engineer | 121 50 | |
| | | P. J. Kinney, services as leveler | 108 00 | |
| | | G. M. Barnes, services as assistant engineer | 162 00 | |
| | | S. E. Babcock, services as assistant engineer | 162 00 | |
| | | W. B. Cooper, services as assistant engineer | 148 50 | |
| | | Edward Vaughn, services as inspector | 108 00 | |
| | | T. H. Walworth, services as office assistant | 54 00 | |
| | | C. M. Thompson, services as office assistant | 135 00 | |
| | | M. H. Roberts, services as leveler | 108 00 | |
| | | J. A. Cooper, services as draughtsman | 135 00 | |
| | | G. F. Oliver, services as assistant engineer | 120 00 | |
| | | W. H. Robinson, vertical wall at Little Falls, per resolution Canal Board, 16th June, '71, | 200 00 | |
| | | Carried forward | $47,667 27 | $2,000 00 |

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| | Brought forward | $47,667 27 | $2,000 00 |
| Sept. 30. | A. J. Davis, check roll, August, constructing Oriskany feeder, | 2,625 25 | |
| | James F. Coombes, lumber, etc., Oriskany feeder | 1 50 | |
| | M. Cook, Agt., freight, Oriskany feeder | 3 96 | |
| | E. H. Bender, stationery, division engineer's office | 86 18 | |
| | | | 50,384 16 |

MISCELLANEOUS DRAFTS.

| | | |
|---|---|---|
| Wm. C. Stephens, constructing a waste-weir near Schenectady street, in the village of West Troy, and for deepening Dry river from the old waste-weir to the arsenal culvert below (see resolution Canal Board, 18th March, 1870), repair section No. 1 | $5,404 86 | |
| George Heath, work done and materials delivered for utilizing the feed water at lock No. 37, authorized by resolution Canal Board, December 8, 1870 | 1,496 00 | |
| George Heath, work done and material furnished for utilizing the feed water at lock No. 37, pursuant to resolution Canal Board, December 8, 1870, | 1,490 00 | |
| | | 8,390 86 |

ENGINEER.

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|---|---|---|
| No. 200. Elhanon H. Crocker | | 8,000 00 |

CONTRACTORS.

| | | |
|---|---|---|
| 176. Thomas Gale, repairs to State dam, Troy | $3,791 18 | |
| 183. William C. Stephens, repairs section No. 1 | 169,702 83 | |
| 207. James H. Sherrill, constructing stone dam across the Mohawk river at Cohoes | 56,429 00 | |
| Carried forward | $229,923 01 | $68,775 02 |

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|---|---|---|
| Brought forward | $229,923 01 | $68,775 02 |
| No. 214. Wm. Mudgett, removing slope wall and wall bench, lock No. 2 to Port Schuyler cut | 958 60 | |
| 221. Alexander J. Brown, constructing iron foot-bridge at Utica, wooden road-bridge with side walk at Ilion, and iron bridge at south end lower Mohawk aqueduct | 4,633 08 | |
| 222. Samuel Donaldson, repairs section No. 2 | 18,636 93 | |
| 228. Henry D. Denison, removing wall benches, etc., from Port Schuyler lock to lower aqueduct and slope wall, etc., from lower Mohawk aqueduct to lock No. 20 | 109,667 00 | |
| 230. Charles Nichols, removing wall benches, etc., from locks Nos. 43 to 45 and lengthening culvert at Frankfort | 15,556 86 | |
| 238. Philip H. Hosch, repairs section No. 5 | 5,883 51 | |
| 252. Charles J. De Graw, constructing upper lock at the upper side cut lock at West Troy | 884 00 | |
| 253. John V. Boomer, constructing lower lock at the upper side cut lock at West Troy | 3,451 00 | |
| 254. Edward B. Van Dusen, constructing iron bridge at Schuyler street, Utica | 5,814 96 | |
| 255. Edward W. Williams, removing wall benches and constructing vertical wall at Rome, removing wall bench, etc., and constructing slope and pavement wall from lock No. 40 to No. 41, and removing wall bench, etc., and constructing slope and pavement wall from Canajoharie to Fort Plain | 37,568 43 | |
| 256. Daniel Ford, removing wall bench, etc., and constructing vertical wall in city of Utica, | 3,842 46 | |
| 257. John M. Whipple, constructing iron truss bridge at Fonda street, Schenectady | 2,306 50 | |
| Carried forward | $439,126 34 | $68,775 02 |

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| Brought forward | $439,126 34 | $68,775 02 |
| No. 266. James P. Buck, lengthening Schoharie creek dam | 17,799 00 | |
| | | 456,925 34 |
| Total amount expended by George W. Chapman, Canal Commissioner on the Erie canal | | $525,700 36 |

*Vouchers rendered by Stephen T. Hayt, Canal Commissioner, for payment by him on the Erie canal.*

MISCELLANEOUS DRAFT.

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|---|---|---|
| Scoville, Eaton & Mowry, taking out original matter from the Erie canal on the Jordan level in 1868, per act, chap. 877, Laws of 1869 | $1,373 65 | |
| | | $1,373 65 |
| Total amount expended by Stephen T. Hayt, Canal Commissioner on the Erie canal | | $1,373 65 |

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Erie canal.*

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| Salary from 1st July, 1870, to 1st July, 1871 | | $2,000 00 |

MISCELLANEOUS PAYMENTS.

| | | | |
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| 1870. | | | |
| Oct. 31. | W. U. Tel. Co., telegraphing, Geneva office | $25 74 | |
| | O. C. Hubbard, services and travel as division agent | 555 00 | |
| | W. U. Tel. Co., telegraphing, Syracuse office | 24 36 | |
| | W. U. Tel. Co., telegraphing, Syracuse office | 11 12 | |
| | W. U. Tel. Co., telegraphing, Syracuse office | 11 48 | |
| | A. & P. Tel. Co., telegraphing, Syracuse office | 1 27 | |
| | Joanna Fehaw, services as janitress | 37 50 | |
| | P. P. Midler, agent in charge of feeders and reservoirs | 300 00 | |
| | E. L. Ludington, services as leveler | 316 00 | |
| Carried forward | | $1,282 47 | $2,000 00 |

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| | Brought forward | $1,282 47 | $2,000 00 |
| Oct. 31. | W. B. Dunning, services as assistant engineer | 395 00 | |
| | M. J. Dolphin, services as clerk division engineer | 130 00 | |
| | D. Richmond, services as assistant engineer | 395 00 | |
| | James Delameter, services as patrolman | 60 00 | |
| | A. S. Ingersoll, services as patrolman | 60 00 | |
| | S. N. Anthony, P. M., postage stamps, Commissioner's office, Geneva | 15 00 | |
| | Alex. Everts, services as patrolman section No. 9 | 60 00 | |
| | Horace Devenport, services as patrolman section No. 9 | 60 00 | |
| | Bradley, Purshall & Co., repairs State dredge | 45 20 | |
| | William H. Walrath, temporary damages, Sullivan, Madison county | 150 00 | |
| | A. Robison, fuel, Commissioner's office, Geneva | 13 50 | |
| | W. U. Tel. Co., telegraphing | 12 16 | |
| | D. Wheeler, two days' services of self and helper, with small boat, hunting up and recovering dredge and pile-driver, which foundered on Seneca lake | 6 00 | |
| | C. A. Olmsted, services as surveyor | 156 00 | |
| | Charles H. McNeil, services as agent on the canals | 135 00 | |
| | S. H. Parker, salary, clerk to Canal Commissioner, M. D. | 135 00 | |
| Nov. 30. | Richard Harrison, services as janitor Commissioner's office, Geneva | 10 00 | |
| | W. U. Tel. Co., telegraphing, Geneva office | 28 41 | |
| | F. L. Swan & Co., services assisting boats at lock No. 48, in 1866 | 25 00 | |
| | H. L. Stainton, removing dredge and dump-boats to Geneva | 33 09 | |
| | Carried forward | $3,206 83 | $2,000 00 |

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| | Brought forward | $3,206 83 | $2,000 00 |
| Nov. 30. | Alex. Everts, services as patrolman | 60 00 | |
| | W. U. Tel. Co., telegraphing, Syracuse | 14 08 | |
| | O. C. Wolcott, repairs State dredge | 41 16 | |
| | H. Davenport, services as patrolman | 60 00 | |
| | John Ostrander, team, towing State dredge to Geneva | 25 00 | |
| | S. N. Anthony, P. M., postage stamps, Geneva | 12 00 | |
| | James Delamater, services as patrolman section No. 8 | 60 00 | |
| | A. S. Ingersoll, services as patrolman (Sec. 8) to Oct. 31 | 60 00 | |
| | P. P. Middler, services as agent in charge of feeders, etc., Nov. | 150 00 | |
| | J. B. Eysamann, services as foreman and engineer State dredge | 96 00 | |
| | Underhill, Dorchester & Bro., fixtures, etc., commissioner's office, Geneva | 5 81 | |
| | A. D. Beach, services as rodman on survey | 172 00 | |
| | Chas. W. Piffer, care of State dump boat, while being towed to Geneva | 6 00 | |
| | Richard Harrison, services as janitor at commissr's office, Geneva | 10 00 | |
| | P. P. Midler, services as agent in charge of feeders, etc | 140 00 | |
| | S. H. Parker, salary as clerk of commissioner | 135 00 | |
| | C. A. Olmstead, services as surveyor for additional supply of water for Rome level | 156 00 | |
| | T. C. Wright, services as surveyor for additional supply of water for Rome level | 20 00 | |
| | J. W. Clark, services as tapeman for additional supply of water for Rome level | 136 50 | |
| | Chas. H. McNiel, services as agent on canals | 135 00 | |
| | Carried forward | $4,701 38 | $2,000 00 |

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| | Brought forward | $4,701 38 | $2,000 00 |
| Nov. | 30. Amasa J. Parker, legal services before Canal Appraisers | 508 00 | |
| | Sundry persons for materials and labor for construction of Oneida village bridge | 1,041 65 | |
| Dec. | 31. Geneva Gas Co., gas, commissioner's office, Geneva | 11 25 | |
| | W. U. Tel. Co., telegraphing, office, Geneva | 33 42 | |
| | W. D. Dunning, assisting division engineer in his report | 100 00 | |
| | A. S. Ingersoll, services as patrolman, Section 8 | 60 00 | |
| | Jas. Delamater, services as patrolman, Sec. 8 | 60 00 | |
| | Alex. Evarts, services as patrolman, Sec. 9 | 60 00 | |
| | H. Davenport, services as patrolman, Sec. 9 | 60 00 | |
| | Geo. A. Timerman, temporary damages, near Oneida | 1,230 00 | |
| | Geo. S. Codington, repairs State dredge | 32 00 | |
| | Seneca Lake Steam Nav. Co., towing dump boat from Watkins to Geneva | 6 50 | |
| | W. U. Tel. Co., telegraphing along line | 4 37 | |
| | A. S. Ingersoll, services as patrolman, Sec. 8 | 20 00 | |
| | Jas. Delamater, services as patrolman, Sec. 8 | 20 00 | |
| | Geneva P. O., stamps for commissioner's office | 17 00 | |
| | E. N. Covert, freight on wheelbarrows | 1 75 | |
| | A. M. U. Ex. Co., freight on packages | 4 60 | |
| | Connelly Bros., Session Laws for division engineer's office, | 15 00 | |
| | Sundry persons, materials and labor in building culvert under bridge approaches, Port Byron | 1,622 46 | |
| | W. U. Tel. Co., telegraphing, October | 10 27 | |
| | Carried forward | $9,619 65 | $2,000 00 |

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| | Brought forward | $9,619 65 | $2,000 00 |
| Dec. 31. | H. Burlingame, services as crane tender, State dredge | 31 50 | |
| | Alex. Evarts, services as patrolman, 1st to 10th December | 20 00 | |
| | J. W. Clark, services as rodman on survey | 148 00 | |
| | W. W. Wright, traveling expenses for quarter, to December 31st | 100 00 | |
| | R. Harrison, services as janitor for December | 10 00 | |
| | S. H. Parker, salary, clerk of commissioner | 135 00 | |
| | H. Devenport, services as patrolman, 1st to 10th Dec | 20 00 | |
| | Geo. S. Field, services as leveler on survey | 355 50 | |
| | C. A. Olmstead, services as surveyor on survey | 162 00 | |
| | F. Farrington, services as tapeman on survey | 91 00 | |
| | Chas. H. McNeil, services as agent on canals, Dec | 135 00 | |
| 1871. | | | |
| Jan. 31. | Underhill, Dorchester & Bro., repairs commissioner's office, Geneva | 2 03 | |
| | Jos. Savage, ice, commissioner's office, Syracuse | 7 50 | |
| | Johanna Feehan, services as janitress | 37 50 | |
| | W. U. Tel. Co., telegraphing, commissioner's office | 8 43 | |
| | W. U. Tel. Co., telegraphing, commissioner's office | 5 29 | |
| | J. V. Norton, services as leveler, | 316 00 | |
| | D. Richmond, services as assistant engineer and draughtsman | 395 00 | |
| | E. L. Ludington, services as leveler | 316 00 | |
| | W. N. Steigelmaier, telegraphing, Geneva | 39 96 | |
| | Jas. Saunders, coal porter, Syracuse | 3 00 | |
| | C. A. Sweet, expenses, serving notices of appeal | 23 12 | |
| | Carried forward | $11,981 48 | $2,000 00 |

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| | Brought forward | $11,981 48 | $2,000 00 |
| Jan. 31. | Charles Fahley, stationery, commissioners' office, Geneva | 5 35 | |
| | T. Langden, repairs State dredge | 13 00 | |
| | C. Ostrander, repairs State dredge | 3 00 | |
| | Jas. Ryan, repairs State dredge, | 22 00 | |
| | P. P. Midler, services, agent in charge of reservoirs and feeders | 150 00 | |
| | Thos. Cullen, crawtender, State dredge | 51 00 | |
| | Jno. Conners, deck hand, State dredge | 11 25 | |
| | P. Gorman, engineer, State dredge | 46 00 | |
| | M. J. Dolphin, clerk to division engineer | 395 00 | |
| | D. L. & W. R. R. Co., fuel for Syracuse office | 17 35 | |
| | Alex. Evarts, services as inspector | 48 00 | |
| | W. B. Platner, services as chainman | 237 00 | |
| | S. H. Parker, fixtures for commissioners' office, Geneva | 2 55 | |
| | Chas. Kipp, supplies for commissioners' office, Geneva | 1 28 | |
| | S. H. Parker, stationery for commissioners' office, Geneva, | 6 00 | |
| | Geneva post-office, stamps for commissioners' office, Geneva, | 15 00 | |
| | W. E. Wright on survey for supply of water for Rome level | 9 00 | |
| | Orin Cronk, on survey for supply of water for Rome level, | 6 00 | |
| | Jno. A. Seymour, on survey for supply of water for Rome level | 12 00 | |
| | Hiram Nellis, team service for supply of water for Rome level | 23 25 | |
| | Wm. Stevens, on survey for supply of water for Rome level, | 6 00 | |
| | Jas. Coville, towing dump boats from Fulton to Syracuse | 12 00 | |
| | Carried forward | $13,073 51 | $2,000 00 |

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| | Brought forward | $13,073 51 | $2,000 00 |
| Jan. 31. | H. O. Cheesebro, legal services before Canal Appraisers | 782 65 | |
| | Starbuck Bros., dipper for State dredge | 385 00 | |
| | G. W. Chase, on survey for supply of water for Rome level, | 12 00 | |
| | T. R. Wright, materials for repairs State dredge | 32 40 | |
| | Geo. S. Field, on survey of flow-line, Owasco lake | 110 00 | |
| | R. A. Hartwell, on survey of flow-line, Owasco lake | 105 00 | |
| | F. Farrington, on survey of flow-line, Owasco lake | 93 75 | |
| | Henry Gridley, on survey of flow-line, Owasco lake | 54 00 | |
| | Geo. Root, on survey of flow-line, Owasco lake | 54 00 | |
| | S. Torrey, on survey of flow-line, Owasco lake | 57 00 | |
| | W. B. Platner, on survey of flow-line, Owasco lake | 60 00 | |
| | J. T. Herrick, on survey of flow-line, Owasco lake | 130 00 | |
| | Wm. McCann, raising and towing State dredge | 73 96 | |
| | A. M. U. Ex. Co., freights on official account, Canal Commissioners | 3 55 | |
| | W. J. Stearns, guardian, etc., temporary damages, Manlius, Onondaga county | 25 00 | |
| | John E. Post, temporary damages, Manlius, Onondaga co. | 60 00 | |
| | Almira Snediker, temporary damages, Manlius, Onondaga county | 25 00 | |
| | Cornelius Cronin, temporary damages, Manlius, Onondaga county | 50 00 | |
| | R. N. Hoag, tempory damages, Kirkville, Onondaga county, | 300 00 | |
| | Richard Savage, temporary damages, Syracuse, Onondaga county | 284 00 | |
| | Cobb, Herrick & Co., repairs scales, Syracuse weigh-lock | 87 37 | |
| | Carried forward | $15,858 19 | $2,000 00 |

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| | | Brought forward | $15,858 19 | $2,000 00 |
| Jan. | 31. | Geo. Reals, regulating flow of water in feeders | 133 33 | |
| | | C. A. Olmsted, on survey for supply of water, Rome level, | 36 00 | |
| | | J. G. Willard, oils for State dredge | 8 38 | |
| | | Schenck, Bros. & Co., coal for State dredge | 25 48 | |
| | | Woodin & Congor, supplies for State dredge | 7 68 | |
| | | D. C. Draper, supplies for State dredge | 4 65 | |
| | | M. S. Kimball, towing State dredge to Fulton | 15 00 | |
| | | Richard Harrison, services, janitor, commissioners' office, Geneva | 10 00 | |
| | | Chas. H. McNeil, services, agent on the canals, January | 135 00 | |
| | | G. G. Codington, labor, repairs State dredge | 54 00 | |
| | | Jacob Mills, labor, repairs State dredge | 45 75 | |
| | | Geo. Beach, labor, repairs State dredge | 60 75 | |
| | | Chas. Codington, labor, repairs State dredge | 34 50 | |
| | | J. B. Eyseman, foreman and engineer, State dredge | 112 00 | |
| Feb. | 28. | W. U. Tel. Co., telegraphing, Geneva office | 38 82 | |
| | | W. U. Tel. Co., telegraphing, other offices | 9 38 | |
| | | C. A. Olmsted, traveling expenses as surveyor | 92 41 | |
| | | D. J. Halstead & Co., publishing notice to contractors | 21 88 | |
| | | N. Y. C. R. R. Co., transportation, account State dredge | 41 36 | |
| | | A. H. Brown, services as axeman on survey | 7 00 | |
| | | Barney Becker, services as inspector on survey | 44 00 | |
| | | N. Y. C. R. R. Co., transportation, account State dredge | 6 00 | |
| | | P. P. Midler, services as agent in charge of feeders, etc | 150 00 | |
| | | Carried forward | $16,951 56 | $2,000 00 |

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| | Brought forward | $16,951 56 | $2,000 00 |
| Feb. 28. | Thomas Baird, cartage account, repairs State dredge | 4 50 | |
| | Abram Thornton, teaming account, repairs State dredge | 16 00 | |
| | Beards & Penfield, castings, etc., repairs State dredge | 6 04 | |
| | W. U. Tel. Co., telegraphing | 2 50 | |
| | Higgins & Sanwald, repairs, Syracuse weigh-lock | 25 50 | |
| | W. Swan, assisting boats in crowds with tug | 9 00 | |
| | A. M. U. Express Co., transportation | 11 10 | |
| | Underhill, Dorchester & Bro., repairs, commissioner's office, Geneva | 6 70 | |
| | J. & F. B. Garrett, blank books, commissioner's office, Geneva, | 20 00 | |
| | E. Laass, making maps, additional supply of water | 57 50 | |
| | A. L. Archambault, machinery, State dredge | 227 67 | |
| | N. Y. C. R. R. Co., transportation State dredge, etc | 15 55 | |
| | Loomis & Frisbie, fuel, State dredge | 12 98 | |
| | D. J. Halsted & Co., printing for lettings | 16 50 | |
| | D. J. Halsted & Co., printing for lettings | 30 00 | |
| | Richard Harrison, services as janitor, commissioner's office, Geneva | 10 00 | |
| | C. H. McNeil, services as agent on canals | 135 00 | |
| | S. H. Parker, salary, clerk canal commissioner, two months | 270 00 | |
| | Elizabeth Avery, commutation in lieu of farm bridge, Dewitt, Onondaga Co | 1,500 00 | |
| March 31. | John King & Co., materials, repairs State dredge | 15 41 | |
| | S. N. Anthony, P. M., stamps, commissioner's office, Geneva, | 14 00 | |
| | W. U. Tel. Co., telegraphing commissioner's office, Geneva, | 24 00 | |
| | Carried forward | $19,381 51 | $2,000 00 |

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| Brought forward | | $19,381 51 | $2,000 00 |
| March 31. | Thomas Beard, cartage and repairs, State dredge | 3 00 | |
| | C. T. Coddington, labor and repairs, State dredge | 24 00 | |
| | George Warcup & Co., lock lamps | 20 00 | |
| | P. P. Midler, services as agent in charge of feeder, etc | 150 00 | |
| | W. B. Dunning, repairs, etc., State dredge | 496 23 | |
| | S. H. Parker, check book for commissioner's office | 26 00 | |
| | William Wasson, attendance, witnesses before Canal Board, | 50 00 | |
| | B. Brockway, attendance, witnesses before Canal Board | 50 00 | |
| | C. T. Coddington, repairs, State dredge | 32 25 | |
| | P. Q. Lincoln, repairs, State dredge | 32 25 | |
| | C. W. Green, repairs, State dredge | 30 00 | |
| | S. L. Jones, repairs, State dredge | 18 19 | |
| | C. F. Lamont, repairs, State dredge | 70 50 | |
| | O. C. Hubbard, services as division agent, from October 1, 1870, to March 31, 1871 | 1,110 00 | |
| | C. A. Olmstead, services and travel, reading proof of commissioners' report | 27 90 | |
| | Townsend & Grant, repairs, Syracuse weigh-lock | 20 14 | |
| | Sherry & Short, repairs, Syracuse weigh-lock | 11 20 | |
| | George Dinehart, repairs, Syracuse weigh-lock | 40 75 | |
| | Henry Dinehart, repairs, Syracuse weigh-lock | 14 00 | |
| | Adam Filsinger, repairs, Syracuse weigh-lock | 30 78 | |
| | Alexander Bradley & Co., repairs, Syracuse weigh-lock | 10 06 | |
| | George Dinehart, moving safe, | 10 00 | |
| | M. H. Roberts, making two large tracings | 10 00 | |
| Carried forward | | $21,668 76 | $2,000 00 |

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| | Brought forward | $21,668 76 | $2,000 00 |
| March 31. | S. L. Adams, repairs, State dredge | 18 75 | |
| | American Dredging Co., materials for repairs, dredge | 348 68 | |
| | S. Vandemark & Son, repairs, State dredge | 54 46 | |
| | Barbara Primps, laundress, washing towels | 5 20 | |
| | J. W. Clark, services as rodman | 308 00 | |
| | M. J. Dolphin, services as clerk division engineer | 385 00 | |
| | W. W. Wright, traveling expenses, Canal Commissioner, | 100 00 | |
| | S. H. Parker, salary, clerk Canal Commissioner | 135 00 | |
| April 30. | George K. Smith, repairs, State dredge | 31 50 | |
| | George Beach, repairs, State dredge | 75 00 | |
| | Simon Raby, repairs, State dredge | 75 00 | |
| | James Ryan, repairs, State dredge | 3 00 | |
| | P. Q. Lincoln, repairs, State dredge | 4 50 | |
| | C. W. Green, repairs, State dredge | 4 50 | |
| | W. U. Tel. Co., telegraphing, Geneva office | 34 51 | |
| | S. N. Anthony, P. M., drawer rent, Geneva post-office | 4 50 | |
| | Geneva Gas Light Co., gas, commissioner's office, Geneva | 10 35 | |
| | C. H. McNeil, services as agent on canal | 135 00 | |
| | George S. Field, services as draughtsman | 247 50 | |
| | P. P. Midler, services as agent in charge of reservoirs and feeders | 150 00 | |
| | Lawrence Mohan, janitor commissioner's office, Geneva | 10 00 | |
| | James Moran, labor, repairs State dredge | 264 00 | |
| | James Lunnin labor, repairs, State dredge | 177 00 | |
| | Carried forward | $24,250 21 | $2,000 00 |

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| | Brought forward | $24,250 21 | $2,000 00 |
| April 30. | Thomas Beard, cartage, repairs State dredge | 7 00 | |
| | Wm. B. Dunning, materials and labor, repairs State dredge | 293 54 | |
| | E. F. Holden, agent, fuel, Commissioner's office, Syracuse | 15 50 | |
| | E. L. Ludington, services as leveler | 308 00 | |
| | Barney Becker, services as inspector | 244 00 | |
| | Alex. Everts, services as inspector | 244 00 | |
| | Denison Richmond, services as draughtsman | 385 00 | |
| | J. V. Norton, services as leveler, | 308 00 | |
| | S. N. Anthony, P. M., postage stamps, Commissioner's office, | 12 00 | |
| | James McNicol, materials and labor, repairs State dredge | 33 90 | |
| | Joanna Fehan, cleaning Commissioner's office, Syracuse | 37 50 | |
| | Pease & Plaisted, repairing sink, Commissioner's office, Syracuse | 1 41 | |
| | Jas. Dunn, carrying coal, Commissioner's office, Syracuse | 1 50 | |
| | D. L. Pike, telegraphing, Syracuse | 29 58 | |
| | Thos. M. Scott, kindling wood, Syracuse office | 90 | |
| | Keuffel & Esser, tracing cloth, | 26 00 | |
| | Henry D. Maxon, constructing, temporary damages, De Ruyter | 3 38 | |
| | Judson Greenman, team labor, temporary damages, De Ruyter | 4 50 | |
| | Chas. H. Maxon, lumber, etc., temporary damages, De Ruyter | 69 39 | |
| | Jos. A. Hoffman, public notice, lettings, March 3, 1871 | 19 25 | |
| | D. J. Halstead & Co., public notice, lettings, March 3, 1871 | 19 25 | |
| | Truair, Smith & Co., public notice, lettings, March 3, 1871, | 19 25 | |
| | Carried forward | $26,333 06 | $2,000 00 |

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| | Brought forward | $26,333 06 | $2,000 00 |
| April 30. | Geo. K. Smith, labor, repairs State dredge | 19 25 | |
| | Lewis & Cobb, rent Commissioner's office, Geneva | 37 50 | |
| | Charles A. Steele, freight on engine and pump | 24 99 | |
| | James Finn, labor, repairs State dredge | 10 00 | |
| | A. M. U. Express Co., freight | 5 40 | |
| | Skilton & Co., repairs furniture, Commissioner's office, Geneva | 1 48 | |
| | W. H. Clute, repairing floats, State dredge | 147 80 | |
| | E. V. Lefferts, repairing State dredge | 32 45 | |
| | Skilton & Co., material, repairs State dredge | 144 24 | |
| | W. H. Clute, repairs State dump No. 1 | 235 60 | |
| | W. H. Clute, repairs State dump No. 2 | 204 04 | |
| | S. H. Parker, printing circulars | 5 00 | |
| | C. A. Olmstead, reproducing maps | 48 00 | |
| | Lawrence Mohan, janitor Commissioner's office, Geneva | 10 00 | |
| | S. H. Parker, salary, clerk to Canal Commissioner, April | 135 00 | |
| | C. H. McNeil, salary, agent on canals, April | 135 00 | |
| | Nathan Stevens, labor, repairs State dredge | 250 00 | |
| May 31. | J. R. Grieve & Co., supplies, State dredge | 3 80 | |
| | W. U. Tel. Co., telegraphing, Geneva office | 55 00 | |
| | Thomas Beard, cartage, repairs State dredge | 10 25 | |
| | John Ostrander, teams, towing dump boats | 5 00 | |
| | Conger & McKay, lumber, repairs State dredge | 18 25 | |
| | S. N. Anthony, P. M., postage stamps, Geneva office | 16 00 | |
| | P. P. Midler, services and travel, agent in charge of feeders, etc., April | 150 00 | |
| | Carried forward | $28,037 11 | $2,000 00 |

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| | Brought forward | $28,037 11 | $2,000 00 |
| May | 31. John King & Co., machinery, etc., repairs State dredge | 179 85 | |
| | Wm. B. Dunning, materials and labor, repairs State dredge | 69 91 | |
| | S. Vandemark & Son, materials and labor, repairs State dredge | 38 55 | |
| | Fulton Manufacturing Co., repairs State dredge in 1869 | 54 46 | |
| | Wm. G. Allen, repairs collector's office, Syracuse | 27 49 | |
| | W. U. Tel. Co., telegraphing, Syracuse office | 22 50 | |
| | Hiram L. Burr, repairs collector's office, Syracuse | 56 75 | |
| | W. U. Tel. Co., telegraphing along line | 6 20 | |
| | J. B. Eysemann, labor, repairs State dredge | 44 00 | |
| | Starbuck Bros., materials, repairs State dredge | 45 89 | |
| | Syracuse Water-works Co. water rent, weigh-lock building, Syracuse | 11 88 | |
| | Walter Everson, labor, repairs State dredge | 5 25 | |
| | Jas. Lynch, labor, repairs State dredge | 5 25 | |
| | T. S. Angel, master State tug, April | 117 00 | |
| | P. La Tourette, engineer State tug, April | 78 00 | |
| | John B. Sheldon, pilot, etc., State tug, April | 52 00 | |
| | S. H. Parker, salary, clerk to Canal Commissioner, May | 135 00 | |
| | B. Becker, services as inspector, | 208 00 | |
| | Alex. Everts, services as inspector | 208 00 | |
| | E. L. Ludington, services as leveler | 208 00 | |
| | M. J. Dolphin, services as clerk, engineer's office | 260 00 | |
| | Geo. S. Field, services as leveler | 234 00 | |
| | D. Richmond, services as assistant engineer and draughtsman | 260 00 | |
| | Jas. Finnegan, repairs to walks at weigh-lock, Syracuse | 38 19 | |
| | Carried forward | $30,403 28 | $2,000 00 |

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| | Brought forward | $30,403 28 | $2,000 00 |
| May 31. | Chas. Fahley, stationery, Commissioner's office, Geneva | 12 09 | |
| | N. Stevens, repairs State dredge | 44 00 | |
| | Chas. Kipp, fixtures, commissioner's office, Geneva | 1 90 | |
| | Chas. H. McNeil, salary as agent on canals, May | 135 00 | |
| | F. E. Carroll, repairing weighmaster's office, Syracuse | 47 67 | |
| | F. N. Groom, temporary damages, Port Byron, Cayuga Co., | 150 00 | |
| | D. C. Toll, temporary damages, Van Buren, Onondaga Co. | 60 00 | |
| June 30. | R. S. and J. C. Riley, pilot wheel, etc., for State dredge, | 28 25 | |
| | E. V. Lefferts, repairs for State dredge | 22 20 | |
| | W. U. Tel. Co., telegraphing, Geneva | 43 15 | |
| | Thos. Beard, cartage account, repairs State dredge | 2 75 | |
| | Loomis & Frisbie, fuel for State dredge | 36 59 | |
| | Lawrence Mohan, janitor, commissioner's office, Geneva | 10 00 | |
| | W. U. Tel. Co., telegraphing along line | 4 71 | |
| | Wm. B. Dunning, repairs State dredge | 264 33 | |
| | P. P. Midler, agent in charge feeders, etc | 150 00 | |
| | J. V. Norton, services as leveler, | 208 00 | |
| | E. Dakin, fuel for commissioner's office | 8 90 | |
| | E. Dakin, fuel, etc., for State dredge | 24 93 | |
| | P. Gaylord, repairs of State dredge | 9 62 | |
| | Andrew Grady, tallow for State dredge | 2 20 | |
| | Simon Raby, labor, repairs of State dredge | 114 75 | |
| | John Dignew, labor, repairs of State dredge | 9 00 | |
| | W. H. Clute, repairs State dump boat No. 2 | 18 91 | |
| | Carried forward | $31,812 23 | $2,000 00 |

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| | Brought forward | $31,812 23 | $2,000 00 |
| June 30. | John Brandon, repairs State offices, Syracuse | 20 00 | |
| | Wm. F. Seaman, paint for State dredge | 4 00 | |
| | W. U. Tel. Co., telegraphing, Syracuse | 25 17 | |
| | A. Robison, wood for State tug, | 4 75 | |
| | Charles Bunge, repairing steam gauge of State dredge, etc. | 8 50 | |
| | Charles Bunge, repairing commissioner's office, Geneva | 3 50 | |
| | A. Robison, fuel, commissioner's office, Geneva | 9 30 | |
| | S. N. Anthony, P. M., stamps, commissioner's office, Geneva, | 15 00 | |
| | John Harper, labor, repairs State dredge | 5 00 | |
| | W. U. Tel. Co., telegraphing along line | 3 56 | |
| | James Moran, labor, repairs State dredge | 42 00 | |
| | O. C. Hubbard, salary as division agent to June 30, 1871, | 555 00 | |
| | P. P. Midler, salary, agent in charge feeders, etc., June | 150 00 | |
| | B. Becker, services as inspector | 84 00 | |
| | C. R. Breed, services as inspector | 104 00 | |
| | Alexander Evarts, services as inspector | 60 00 | |
| | M. J. Dolphin, services as clerk division engineer | 130 00 | |
| | Denison Richmond, services as assistant engineer | 130 00 | |
| | George S. Field, services as leveler | 58 50 | |
| | E. L. Luddington, services as leveler | 104 00 | |
| | C. H. McNeil, services as agent on canals, June | 135 00 | |
| | J. V. Norton, services as leveler and assistant engineer | 118 00 | |
| | W. W. Wright, allowance for travel of quarter | 100 00 | |
| | S. H. Parker, salary as clerk Canal Commissioner, June | 135 00 | |
| | Carried forward | $33,816 51 | $2,000 00 |

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| | Brought forward | $33,816 51 | $2,000 00 |
| July | 31. Lawrence Mohan, janitor commissioner's office, Geneva | 10 00 | |
| | W. U. Tel. Co., telegraphing, Geneva | 35 29 | |
| | Thomas Beard, cartage, account State dredge | 2 25 | |
| | D. J. Halstead & Co., publishing notice to contractors | 39 38 | |
| | Charles Bence, publishing notice to contractors | 9 37 | |
| | J. N. Bailey & Co., publishing notice to contractors | 9 38 | |
| | Connolly Bros., papering collector's office, State building, Syracuse | 48 05 | |
| | George V. Scobey, kalsomine for engineer's office | 14 47 | |
| | Alfred Tiley, plumbing, etc., for engineer's office | 3 99 | |
| | D. J. Halstead & Co., blanks, etc., for lettings | 97 50 | |
| | W. U. Tel. Co., telegraphing, Syracuse | 15 83 | |
| | Warren Swan, assisting boats on long level | 21 00 | |
| | Joanna Fehan, janitress, Syracuse office | 37 50 | |
| | A. M. U. Express Co., transportation official business | 4 00 | |
| | J. J. Mattison & Son, publishing notice to contractors | 15 00 | |
| | S. L. Jones, lumber for State dredge | 27 16 | |
| | W. U. Tel. Co., telegraphic service along line | 5 93 | |
| | Joseph Gilmore, tending Limestone creek feeder | 26 40 | |
| | S. N. Anthony, P. M., postage stamps | 18 00 | |
| | S. H. Parker, salary, clerk Canal Commissioner, July | 135 00 | |
| | Charles H. McNeil, salary, agent on canals, July | 135 00 | |
| Aug. | 31. Charles R. Breed, services as inspector | 104 00 | |
| | M. J. Dolphin, services as clerk division engineer | 130 00 | |
| | Carried forward | $34,761 01 | $2,000 00 |

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| | Brought forward | $34,761 01 | $2,000 00 |
| Aug. | 31. Denison Richmond, services as assistant engineer | 130 00 | |
| | E. L. Luddington, services as leveler | 117 00 | |
| | Matthew Wilson, paints, oils, etc, for State tug | 61 28 | |
| | J. V. Norton, services as assistant engineer | 130 00 | |
| | M. Wilson, paints, oils, etc., for dredge | 63 08 | |
| | W. U. Tel. Co., telegraphic service, Geneva | 36 48 | |
| | T. C. Maxwell, fees as witness, | 4 20 | |
| | E. A. Bronson, fees as witness, | 4 20 | |
| | Lawrence Mohan, janitor, commissioner's office, Geneva | 10 00 | |
| | P. P. Midler, agent in charge feeders, etc | 150 00 | |
| | Seneca Lake Steam Nav. Co., towing dredge and scows | 63 00 | |
| | J. R. Grieve & Co., supplies for State dredge | 3 70 | |
| | M. S. Price, furniture for Syracuse offices | 71 46 | |
| | Skilton & Co., repairs, State dredge | 21 72 | |
| | W. U. Tel. Co., dispatches along line, June | 5 33 | |
| | Snyder & Mitchell, furniture, etc., commissioner's office | 10 75 | |
| | Charles Fahly, stationery, commissioner's office | 9 89 | |
| | S. H. Parker, clerk Canal Commissioner | 135 00 | |
| | Snyder & Mitchell, furniture for State dredge | 12 00 | |
| Sept. | 30. Charles H. McNeil, salary as agent on canals, August | 135 00 | |
| | P. P. Midler, services as agent in charge feeders | 150 00 | |
| | D. Richmond, services as assistant engineer | 135 00 | |
| | J. V. Norton, services as assistant engineer | 135 00 | |
| | M. J. Dolphin, services as clerk division engineer | 135 00 | |
| | Carried forward | $36,490 10 | $2,000 00 |

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| Brought forward | $36,490 10 | $2,000 00 |
| Sept. 30. E. L. Luddington, services as leveler | 121 50 | |
| C. R. Breed, services as inspector | 108 00 | |
| C. A. Olmstead, examination of survey of Owasco lake | 84 00 | |
| W. U. Tel. Co., telegraphing, Geneva office | 37 46 | |
| Michael Street, examination of survey of Owasco lake | 16 50 | |
| T. N. Howe, examination of survey of Owasco lake | 18 00 | |
| Starbuck Bros., dipper holder chain for State dredge | 65 25 | |
| John Payne, janitor commissioner's office, August | 10 00 | |
| C. M. Hight, survey, outlet of Cayuga lake | 35 00 | |
| W. H. Osman, survey, outlet of Cayuga lake | 19 75 | |
| S. N. Anthony, P. M., postage stamps, Geneva office | 6 00 | |
| T. Smith & Co., repairs, State dredge | 24 16 | |
| L. Green, examinations survey Owasco lake | 18 00 | |
| John Linderbury, repairs, dump boat | 58 19 | |
| W. U. Tel. Co., telegraphing along line, July | 3 71 | |
| O. C. Hubbard, services as agent on canals to 30th September, | 555 00 | |
| C. H. McNeil, services as agent on canals to 30th September, | 135 00 | |
| Geneva Gas Light Co., gas, commissioner's office, Geneva | 5 40 | |
| W. W. Wright, travel allowance for quarter ending 30th Sept., | 100 00 | |
| S. H. Parker, salary, clerk commissioner, September | 135 00 | |
| A. M. U. Express Co., transportation | 6 15 | |
| C. A. Olmstead, examination survey Owasco Lake | 156 00 | |
| | | 38,208 17 |
| Carried forward | | $40,208 17 |

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| Brought forward | | | $40,208 17 |

MISCELLANEOUS DRAFTS.

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|---|---|---|---|
| Sept. 30. | William Austin, straightening and enlarging the channel of Chittenango creek from the aqueduct to the old Erie canal, section No. 7 | $2,374 40 | |
| | William Austin, constructing wooden trunk aqueduct at Cowasselon creek, section No. 7, | 1,700 00 | |
| | Aaron G. Fish, bottoming down long level between lock 47 and Limestone creek aqueduct | 408 80 | |
| | Aaron G. Fish, removing bench walls and relaying vertical walls in cement, Syracuse | 6,134 77 | |
| | Aaron G. Fish, vertical wall above lock 49 in front of premises of Sanford & Bon, Syracuse | 1,413 57 | |
| | William Austin, removing the waste-weir and composite culvert at Cowasselon creek, near Durhamville, and constructing a wooden trunk aqueduct, | 1,971 21 | |
| | Clark Snook, balance due for inserting iron needle beams in two bridges on section No. 7, pursuant to resolution Canal Board, passed August 4, 1871, and statement of H. Soule, Jr., resident engineer | 2,039 47 | |
| | | | 16,042 22 |

ENGINEER.

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| No. 197. | M. S. Kimball | | 9,700 00 |

CONTRACTORS.

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|---|---|---|---|
| 174. | Amos W. Chase, repairs, section No. 9 | $6,629 95 | |
| 175. | William Austin, repairs, section No. 7 | 6,049 30 | |
| 176. | Thos. Gale, thirty chains slope wall on Nine-mile creek feeder, | 272 00 | |
| | Carried forward | $12,951 25 | $65,950 39 |

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|---|---|---|---|
| | Brought forward | $12,951 25 | $65,950 39 |
| No. 180. | Edward B. Van Dusen, inserting iron needle beams in bridges at Centreport and Chittenango; iron bridge over Orville feeder at Orville, and raising road from first ward, city of Syracuse, to village of Geddes, | 5,693 69 | |
| 217. | A. Cadwell Belden, constructing Otisco Lake reservoir; filling packet-boat basin, Syracuse; removing wall benches, etc., upon Syracuse level, and protecting highway along west bank of outlet to De Ruyter reservoir | 15,980 00 | |
| 218. | R. Nelson Gere, improving Owasco lake outlet | 5,496 45 | |
| 223. | Aaron G. Fish, repairs, section No. 8 | 19,275 00 | |
| 231. | Henry G. Jackson, raising and strengthening berme bank near lock 50, and repairing ditch back of same | 4,522 00 | |
| 232. | William Mudgett, constructing iron bridge at Lock street, Syracuse | 918 00 | |
| 241. | N. Stanton Gere, rebuilding culvert near Burdick's bridge, | 813 82 | |
| 242. | Sylvester D. Keller (assignee), removing bench wall and constructing slope and vertical walls, etc., on the Jordan level | 32,623 00 | |
| 243. | James J. Belden, constructing iron bridge at Warren street, Syracuse | 9,010 00 | |
| 244. | Archibald McArthur, constructing swing bridge over entrance of Oneida Lake canal, at Higginsville | 755 87 | |
| 258. | Benjamin F. Bruce, ditch on berme bank, near Canastota, | 500 00 | |
| 265. | Horace Candee, vertical wall on berme, near Cuykendall's bridge, Geddes | 1,235 54 | |
| | | | 109,774 62 |
| | Total amount expended by William W. Wright, Canal Commissioner, on the Erie canal | | $175,725 01 |

*Vouchers rendered by John D. Fay, Canal Commissioner, for payments by him on the Erie canal.*

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| Salary, from 1st July, 1870, to 1st July, 1871..... | | | | $2,000 00 |
| 1870. | | | | |
| June | 30. | John D. Fay, additional services as Canal Commissioner during suspension of Robert C. Dorn, as authorized by act, chapter 492, Laws of 1870... | $1,000 00 | |
| Sept. | 30. | Catharine S. White and Georgiana Howell, land damages, Buffalo, Erie county..... | 250 00 | |
| Oct. | 31. | Daniel Malone, land damages, Black Rock ..... | 150 00 | |
| | | Patk. Dougherty, land damages, Black Rock ..... | 100 00 | |
| | | Mrs. Thomas Halrehan, land damages, Black Rock..... | 50 00 | |
| | | C. A. Danolds, services and travel as division agent ..... | 185 00 | |
| | | Ashbel Cooper, services as patrolman, section No. 10... | 60 00 | |
| | | C. S. Ireland, services as patrolman, section No. 10..... | 60 00 | |
| | | John Malery, services as patrolman, section No. 10..... | 60 00 | |
| | | Jeremiah Burnett, services as patrolman, section No. 10 ... | 60 00 | |
| | | Elias Williams, services as patrolman, section No. 10... | 60 00 | |
| | | J. H. Boulton, services as patrolman, section No. 11..... | 60 00 | |
| | | W. K. Goodrich, services as patrolman, section No. 11... | 60 00 | |
| | | B. W. Fassett, services as patrolman, section No. 11..... | 60 00 | |
| | | J. Hathaway, services as patrolman, section No. 11 ..... | 60 00 | |
| | | M. Schuster, services as patrolman, section No. 11..... | 60 00 | |
| | | W. Barnard, services as patrolman, section No. 11..... | 60 00 | |
| | | John Kelley, services as patrolman, section No. 11..... | 60 00 | |
| | | W. Winthrop, services as patrolman, section No. 13..... | 60 00 | |
| Carried forward ..... | | | $2,515 00 | $2,000 00 |

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| | | Brought forward | $2,515 00 | $2,000 00 |
| Oct. | 31. | Jno. Donnelly, services as patrolman, section No. 13 | 60 00 | |
| | | G. C. Richards, services as patrolman, section No. 13 | 60 00 | |
| | | W. B. Lewis, services as patrolman, section No. 13 | 60 00 | |
| | | Elijah Odell, services as patrolman, section No. 13 | 60 00 | |
| | | H. M. Harwood, services as patrolman, section No. 13 | 60 00 | |
| | | William Swinger, services as patrolman, section No. 14 | 60 00 | |
| | | A. D. Hulbert, services as patrolman, section No. 14 | 60 00 | |
| | | Peter Kirch, services as patrolman, section No. 14 | 60 00 | |
| | | John Walsh, services as patrolman, section No. 14 | 60 00 | |
| | | John Hogan, services as patrolman, section No. 14 | 60 00 | |
| | | Samuel Kelly, tending swing-bridge, Rochester | 50 00 | |
| | | J. W. F. Dolson, tending swing-bridge, Rochester | 50 00 | |
| | | J. W. F. Dolson, oils, lever, etc., for swing-bridge, Rochester | 6 40 | |
| | | Rochester P. O., postage stamps | 6 00 | |
| | | W. U. Tel. Co., telegraphing, October | 1 84 | |
| | | William Keith, repairs swing-bridge, Rochester | 8 50 | |
| | | M. N. Fay, salary, clerk, Canal Commissioner, W. D. | 135 00 | |
| Nov. | 30. | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | | Ashbell Cooper, services as patrolman, section No. 10 | 60 00 | |
| | | Elias Williams, services as patrolman, section No. 10 | 60 00 | |
| | | C. E. Ireland, services as patrolman, section No. 10 | 60 00 | |
| | | Jno. Malory, services as patrolman, section No. 10 | 60 00 | |
| | | Jer. Burnett, services as patrolman, section No. 10 | 60 00 | |
| | | J. H. Boulton, services as patrolman, section No. 11 | 60 00 | |
| | | Carried forward | $3,917 74 | $2,000 00 |

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| | Brought forward | $3,917 74 | $2,000 00 |
| Nov. 30. | W. K. Goodrich, services as patrolman, section No. 11 | 60 00 | |
| | B. W. Fassett, services as patrolman, section No. 11 | 60 00 | |
| | J. Hathaway, services as patrolman, section No. 11 | 40 00 | |
| | M. Shuster, services as patrolman, section No. 11 | 60 00 | |
| | Wm. Barnard, services as patrolman, section No. 11 | 60 00 | |
| | Jno. Kelley, services as patrolman, section No. 11 | 60 00 | |
| | H. M. Harwood, services as patrolman, section No. 13 | 60 00 | |
| | Jno. Donnelly, services as patrolman, section No. 13 | 60 00 | |
| | Wm. Winthrop, services as patrolman, section No. 13 | 60 00 | |
| | Elijah Odell, services as patrolman, section No. 13 | 60 00 | |
| | Wm. B. Lewis, services as patrolman, section No. 13 | 60 00 | |
| | G. C. Richards, services as patrolman, section No. 13 | 60 00 | |
| | Wm. Swinger, services as patrolman, section No. 14 | 60 00 | |
| | Peter Kirch, services as patrolman, section No. 14 | 60 00 | |
| | Jno. Walsh, services as patrolman, section No. 14 | 60 00 | |
| | Jno. Hogan, services as patrolman, section No. 14 | 60 00 | |
| | A. D. Hulbert, services as patrolman, section No. 14 | 60 00 | |
| | J. W. F. Dolson, tending swing-bridge, Rochester, Nov | 50 00 | |
| | Samuel Kelley, tending swing-bridge, Rochester | 50 00 | |
| | M. Courtney, painting signs for bridges, Buffalo | 15 00 | |
| | J. B. Ransom, services as inspector | 147 00 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D | 135 00 | |
| Dec. 31. | Jno. D. Fay, travel for quarter, | 100 00 | |
| | J. W. F. Dolson, tending swing-bridge, Rochester, Dec. 1 to 15, | 25 00 | |
| | Carried forward | $5,439 74 | $2,000 00 |

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| | Brought forward | $5,439 74 | $2,000,00 |
| Dec. 31. | Samuel Kelley, tending swing-bridge, Rochester, Dec. 1 to 15 | 25 00 | |
| | W. U. Tel. Co., telegraphing, Canal Commissioners, Dec. | 3 85 | |
| | Rochester post-office, rent of drawer | 2 51 | |
| | M. W. Fay, rent, commissioner's office, six months | 100 00 | |
| | J. W. F. Dolson, account for swing-bridge, Rochester | 6 20 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D | 135 00 | |
| | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | Ashbell Cooper, services as patrolman, sec. No. 10, to Dec. 8, | 16 00 | |
| | Jno. Malary, services as patrolman, sec. No. 10, to Dec. 8 | 16 00 | |
| | Elias Williams, services as patrolman, sec. No. 10, to Dec. 8, | 16 00 | |
| | Jer. Burnett, services as patrolman, sec. No. 10, to Dec. 8 | 16 00 | |
| | C. E. Ireland, services as patrolman, sec. No. 10, to Dec. 8 | 16 00 | |
| | J. H. Boulton, services as patrolman, sec. No. 11, to Dec. 8 | 16 00 | |
| | W. K. Goodrich, services as patrolman, sec. No. 11, to Dec. 8, | 16 00 | |
| | B. W. Fassett, services as patrolman, sec. No. 11, to Dec. 8 | 16 00 | |
| | J. Hathaway, services as patrolman, sec. No. 11, to Dec. 8 | 20 00 | |
| | M. Schuster, services as patrolman, sec. No. 11, to Dec. 8 | 20 00 | |
| | W. Barnard, services as patrolman, sec. No. 11, to Dec. 8 | 20 00 | |
| | Jno. Kelley, services as patrolman, sec. No. 11, to Dec. 8 | 16 00 | |
| | Wm. Swinger, services as patrolman, sec. No. 14, to Dec. 8 | 16 00 | |
| | Peter Kirch, services as patrolman, sec. No. 14, to Dec. 8 | 16 00 | |
| | Jno. Hogan, services as patrolman. sec. No. 14, to Dec. 8 | 16 00 | |
| | Jno. Walsh, services as patrolman, sec. No. 14, to Dec. 8 | 16 00 | |
| | Carried forward | $6,165 30 | $2,000 00 |

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| | Brought forward | $6,165 30 | $2,000,00 |
| Dec. | 31. A. D. Hurlburt, services as patrolman, sec. No. 14, to Dec. 8, | 16 00 | |
| | L. L. Nichols, services as assistant engineer | 120 00 | |
| | Geo. Arnold, services as assistant engineer | 42 00 | |
| | Ed. Bailey, services as chainman | 32 00 | |
| | S. H. Oviatt, services as inspector | 140 00 | |
| | J. Fred. Behn, services as assistant engineer | 434 50 | |
| | Geo. Arnold, services as assistant engineer | 354 00 | |
| | Byron Holly, services as assistant engineer | 264 00 | |
| | F. F. Carry, services as assistant engineer | 280 50 | |
| | J. Bisgood, services as draughtsman | 341 00 | |
| | R. V. Arnold, services as draughtsman | 185 50 | |
| | L. Gardner, services as leveler and surveyor | 290 00 | |
| | A. W. Barrett, services as leveler, | 236 00 | |
| | N. E. Storey, services as rodman | 178 75 | |
| | R. B. McFarlin, services as rodman | 81 25 | |
| | E. A. Judd, services as rodman, | 237 00 | |
| | L. H. Spencer, services as inspector | 395 00 | |
| | Jno. Hansle, services as inspector | 316 00 | |
| | Edmund O'Grady, services as inspector | 136 00 | |
| 1871. | | | |
| Jan. | 31. Warren, Johnson & Co., publishing notice to contractors | 18 38 | |
| | George T. Bryan, publishing notice to contractors | 18 38 | |
| | A. D. Paul, services as chainman, | 16 00 | |
| | Curtis, Morey & Co., printing specifications, etc. | 18 00 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D. | 135 00 | |
| | W. U. Tel. Co., telegraphing | 1 24 | |
| | Carried forward | $10,451 80 | $2,000 00 |

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|---|---|---|---|
| | Brought forward | $10,451 80 | $2,000 00 |
| Feb. 28. | C. A. Danolds, salary and travel as division agent, two months | 370 00 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D. | 135 00 | |
| | E. M. Smith, P. M., postage stamps, Rochester | 8 00 | |
| | William Van Camp, publishing notice to contractors | 21 88 | |
| | George W. Aldridge, materials and work for division and resident engineers' office, Rochester | 66 59 | |
| | Barth & Zeislin, materials and work for division and resident engineers' office, Rochester | 151 00 | |
| | J. G. Wagner, materials and work for division and resident engineers' office, Rochester | 129 58 | |
| | Howe & Rogers, materials and work for division and resident engineers' office, Rochester | 66 08 | |
| | O. H. Etheridge, materials and work for division and resident engineers' office, Rochester | 17 00 | |
| | Hunn, Smith & Spencer, hat and coat rack, division and resident engineers' office, Rochester | 12 00 | |
| | Sherlock & Swan, mats and work, division and resident engineers' office, Rochester | 11 00 | |
| | A. Ernisse, mats and work, division and resident engineers' office, Rochester | 21 90 | |
| | Scanlan & McCarthy, spittoons, division and resident engineers' office, Rochester | 12 00 | |
| | Joseph McMullin, carting, division and resident engineers' office, Rochester | 7 00 | |
| | H. H. Warner, locks, division and resident engineers' office, Rochester | 5 00 | |
| | Hubbard & Northrup, towels, division and resident engineers' office, Rochester | 3 71 | |
| | Carried forward | $11,489 54 | $2,000 00 |

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|---|---|---|---|
| Brought forward | | $11,489 54 | $2,000 00 |
| March 31. | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | M. N. Fay, clerk Canal Commissioner, W. D | 135 00 | |
| | Rochester P. O., rent of drawer, | 2 51 | |
| | Rochester Gas Co., gas, commissioner's office | 3 15 | |
| | Charles Fletcher, coal, commissioner's office | 47 10 | |
| | W. U. Tel. Co., telegraphing, commissioner's office | 3 40 | |
| | George Arnoldt, services as assistant engineer | 66 00 | |
| | J. Fred. Behn, services as assistant engineer | 423 50 | |
| | F. F. Curry, services as assistant engineer | 390 50 | |
| | Byron Holley, services as assistant engineer | 368 50 | |
| | George Arnoldt, services as assistant engineer | 246 00 | |
| | John Bisgood, services as draughtsman | 286 00 | |
| | R. V. Arnoldt, services as draughtsman | 147 00 | |
| | L. Gardner, services as leveler and surveyor | 80 00 | |
| | A. W. Barrett, services as leveler | 224 00 | |
| | R. B. McFarlin, services as rodman | 250 25 | |
| | E. A. Judd, services as rodman, | 231 00 | |
| | N. E. Story, services as rodman, | 80 50 | |
| | John Hansle, services as inspector | 308 00 | |
| | R. S. Patterson, services as inspector | 245 00 | |
| | J. H. Boulton, services as inspector | 195 00 | |
| | A. H. Towar, services as inspector | 183 00 | |
| | Jessie Bumpus, services as inspector | 127 50 | |
| | W. H. Cornes, services as inspector | 67 50 | |
| | Alonzo Reed, services as inspector | 27 50 | |
| Carried forward | | $15,812 45 | $2,000 00 |

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|---|---|---|---|
| | Brought forward | $15,812 45 | $2,000 00 |
| March 31. | Augustus Davis, services as inspector | 17 50 | |
| | Alexander Gray, services as inspector | 33 00 | |
| | S. H. Oviatt, services as inspector | 40 00 | |
| | George Talbot, services as inspector | 231 00 | |
| April 30. | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D | 135 00 | |
| | Samuel Kelley, tending swing-bridge, Rochester | 10 00 | |
| | J. W. F. Dolson, tending swing-bridge, Rochester | 10 00 | |
| | Whitmore, Carson & Co., stone cutters, labor, bridge, Rochester | 4 00 | |
| | L. S. Gibson, use of steam fire engine, pumping out State dredge | 35 00 | |
| | N. E. Story, services as leveler, | 20 00 | |
| | F. F. Curry, services as assistant engineer | 82 50 | |
| | N. E. Story, services as leveler, | 56 00 | |
| | Edward Rigney, services as chainman | 20 00 | |
| | M. Schuster, services as inspector | 77 00 | |
| | Alexander Gray, services as inspector | 39 00 | |
| | J. H. Boulton, services as inspector | 75 00 | |
| | Alexander S. Reed, services as inspector | 45 00 | |
| May 31. | W. U. Tel. Co., telegraphing, Canal Commissioner's office, Rochester, April | 14 07 | |
| | Warner Bargy, passing crowd of boats after break at Ox Bow, | 12 00 | |
| | John P. Roche, machinist's labor, State dredge | 15 00 | |
| | C. A. Danolds, salary and travel, division agent | 185 00 | |
| | M. N. Fay, salary, clerk Canal Commissioner, W. D | 135 00 | |
| | Carried forward | $17,288 52 | $2,000 00 |

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|---|---|---|---|---|
| | | Brought forward | $17,288 52 | $2,000 00 |
| May | 31. | J. W. F. Dolson, tending swing-bridge, Rochester | 50 00 | |
| | | Samuel Kelley, tending swing-bridge, Rochester | 50 00 | |
| | | J. P. Bumpus, services as inspector | 102 50 | |
| | | A. E. Davis, services as inspector | 67 50 | |
| June | 30. | B. W. Fassett, services as watchman | 40 00 | |
| | | Robt. Painter, services as watchman State dredge | 64 00 | |
| | | J. H. Boulton, services as watchman | 40 00 | |
| | | Jacob Fisher, services as watchman | 40 00 | |
| | | P. Short, services regulating flow of water, etc. | 75 00 | |
| | | J. W. F. Dolson, levers, oils, etc., for Exchange street bridge, Rochester | 10 74 | |
| | | Jno. Gunsaul, services as watchman | 40 00 | |
| | | Stanley Hammond, services as watchman | 40 00 | |
| | | T. L. Hulbert, damages Ox Bow break, Perrinton, Monroe Co. | 1,600 00 | |
| | | T. L. Hulbert, damages Ox Bow break, Perrinton, Monroe Co. | 100 00 | |
| | | L. L. Nichols, services as assistant engineer | 162 00 | |
| | | George Arnoldt, services as assistant engineer | 72 00 | |
| | | R. B. McFarlin, services as rodman | 172 25 | |
| | | M. L. Hutchinson, services as axman | 12 00 | |
| | | J. Fred. Behn, services as assistant engineer | 429 00 | |
| | | Byron Holley, services as assistant engineer | 368 50 | |
| | | George Arnoldt, services as assistant engineer | 336 00 | |
| | | John Bisgood, services as draughtsman | 313 50 | |
| | | R. V. Arnoldt, services as draughtsman | 228 00 | |
| | | Carried forward | $21,701 51 | $2,000 00 |

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| | Brought forward | $21,701 51 | $2,000 00 |
| June 30. | Leman Gardner, services as leveler and surveyor | 155 00 | |
| | A. W. Barrett, services as leveler | 204 00 | |
| | R. B. McFarlin, services as rodman | 81 25 | |
| | E. A. Judd, services as rodman | 234 00 | |
| | John Spaulding, services as rodman | 60 00 | |
| | L. H. Spencer, services as inspector | 390 00 | |
| | John Hansle, services as inspector | 312 00 | |
| | R. S. Patterson, services as inspector | 52 50 | |
| | A. H. Tower, services as inspector | 234 00 | |
| | W. H. Cornes, services as inspector | 62 50 | |
| | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | M. N. Fay, salary clerk Canal Commissioners | 135 00 | |
| | J. H. Boulton, services as watchman | 60 00 | |
| | B. W. Fassett, services as watchman | 60 00 | |
| | J. Fisher, services as watchman | 60 00 | |
| | P. Short, services regulating flow of water in Black Rock harbor | 75 00 | |
| | Samuel Kelly, tending swing-bridge at Rochester | 50 00 | |
| | J. W. F. Dolson, tending swing-bridge at Rochester | 50 00 | |
| | E. M. Smith, P. M., rent of drawer and postage | 2 70 | |
| | Estate of A. M. Badger, repairs State steam dredge | 28 27 | |
| | M. N. Fay, half year's rent commissioner's office to June 30, 1871 | 100 00 | |
| | S. F. Hammond, services as watchman | 60 00 | |
| | Jno. Gunsaul, services as watchman | 60 00 | |
| | John D. Fay, travel allowance half year to June 30, 1871 | 200 00 | |
| | Carried forward | $24,612 73 | $2,000 00 |

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|---|---|---|---|
| | Brought forward | $24,612 73 | $2,000 00 |
| July 31. | Curtiss, Morey & Co., publishing notice to contractors | 50 75 | |
| | R. M. Skeels, publishing notice to contractors | 50 75 | |
| | Geo. T. Bryan, publishing notice to contractors | 50 75 | |
| | W. W. Malay, publishing notice to contractors | 50 75 | |
| | Wm. Van Camp, publishing notice to contractors | 50 75 | |
| | L. W. Brandt, publishing notice to contractors | 50 75 | |
| | Warren, Johnson & Co., publishing notice to contractors | 50 75 | |
| | C. A. Danolds, salary and travel as division agent | 185 00 | |
| | M. N. Fay, salary clerk Canal Commissioners | 135 00 | |
| | J. W. F. Dolson, tending swing-bridge at Rochester | 50 00 | |
| | Samuel Kelly, tending swing-bridge at Rochester | 50 00 | |
| | B. W. Fassett, services as watchman, July | 60 00 | |
| | S. F. Hammond, services as watchman, July | 60 00 | |
| | Jno. Gunsaul, services as watchman, July | 60 00 | |
| | J. Fisher, services as watchman, July | 60 00 | |
| | J. H. Boulton, services as watchman, July | 60 00 | |
| | P. Short, services regulating flow of water at Black Rock harbor | 75 00 | |
| | J. W. F. Dolson, oil, etc., for swing-bridge at Rochester | 5 85 | |
| | R. B. McFarlin, services as rodman | 84 50 | |
| Aug. 31. | Reynolds & Clark, temporary damages, Albion, Orleans county | 100 00 | |
| | Robert Barrett, repairing State steam dredge | 726 58 | |
| | Ezra Jones & Son, repairing State steam dredge | 109 56 | |
| | Carried forward | $26,789 47 | $2,000 00 |

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|---|---|---|---|---|
| | | Brought forward | $26,789 47 | $2,000 00 |
| Aug. | 31. | Geo. T. Bryan, publishing notice to contractors | 23 62 | |
| | | Warren, Johnson & Co., publishing notice to contractors | 23 62 | |
| | | W. D. Green. R. G. Stewart, A. D. Stewart, Seth Clark, removing boulders from Erie basin channel, per resolution Canal Board, Aug. 5, 1871 | 675 00 | |
| | | C. A. Danolds, salary and travel as division agent, August | 185 00 | |
| | | M. N. Fay, salary clerk Canal Commissioner W. D., August, | 135 00 | |
| | | J. W. F. Dolson, tending swing-bridge, Exchange street, Rochester | 50 00 | |
| | | Samuel Kelly, tending swing-bridge, Exchange street, Rochester | 50 00 | |
| | | P. Short, regulating water in Black Rock harbor | 75 00 | |
| | | B. W. Fassett, services as watchman, August | 60 00 | |
| | | J. S. Gunsaul, services as watchman, August | 60 00 | |
| | | S. Hammond, services as watchman, August | 60 00 | |
| | | J. Fisher, services as watchman, August | 60 00 | |
| | | J. H. Boulton, services as watchman, August | 60 00 | |
| | | Byron Holly, Jr. services flagm'n | 60 00 | |
| Sept. | 30. | J. Fred Behn, witness fees before canal appraisers | 23 08 | |
| | | Hayden, Carkin & Co., removing boulders from Erie basin | 600 00 | |
| | | C. A. Danolds, services and travel as division agent | 185 00 | |
| | | M. N. Fay, salary clerk Canal Commissioner, western division, September | 135 00 | |
| | | J. W. F. Dolson, tending swing-bridge, Rochester | 50 00 | |
| | | Samuel Kelly, tending swing-bridge, Rochester | 50 00 | |
| | | P. Short, regulating flow water, Black Rock harbor | 75 00 | |
| | | Carried forward | $29,484 79 | $2,000 00 |

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|---|---|---|---|
| Brought forward | $29,484 79 | $2,000 00 |
| Sept. 30. B. W. Fassett, services as watchman, September | 60 00 | |
| J. H. Boulton, services as watchman, September | 60 00 | |
| J. Fisher, services as watchman, September | 60 00 | |
| J. S. Gunsaul, services as watchman, September | 60 00 | |
| S. Hammond, services as watchman, September | 60 00 | |
| L. L. Nichols, services as assistant engineer | 24 00 | |
| J. Fred Behn, services as assistant engineer | 115 50 | |
| Geo. Arnoldt, services as assistant engineer | 54 00 | |
| Thos. Evershed, services as assistant engineer | 33 00 | |
| John Bisgood, services as draughtsman and surveyor | 99 00 | |
| A. W. Barrett, services as leveler | 60 00 | |
| S. H. Oviatt, services as inspector | 180 00 | |
| J. Fred Behn, services as assistant engineer | 335 50 | |
| Geo. Arnoldt, services as assistant engineer | 342 00 | |
| Thos. Evershed, services as assistant engineer | 143 00 | |
| Byron Holley, services as assistant engineer | 385 00 | |
| Leman Gardner, services as leveler | 140 00 | |
| John Hansle, services as inspector | 316 00 | |
| R. S. Patterson, services as inspector | 94 50 | |
| P. R. Perry, services as inspector | 132 50 | |
| | | 32,238 79 |

MISCELLANEOUS DRAFTS.

| | | |
|---|---|---|
| George D. Lord, repair section No. 14, for work done in restoring the damages occasioned said section between Erie street, in the city of Buffalo, and construction section No. 366 inclusive, by gales and high water of Lake Erie, in the fall of 1869, authorized by act chapter 767, Laws of 1870 | $10,000 00 | |
| Carried forward | $10,000 00 | $34,238 79 |

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| Brought forward | $10,000 00 | $34,238 79 |
| George D. Lord, repair section No. 14, restoring the damages occasioned by gales and high water of Lake Erie in the fall of 1869 and '70, authorized by act chapter 767, Laws of 1870 | 15,000 00 | |
| Benjamin F. Sherman, expense incurred in inserting tile drain in a ditch left open by the State through his lots in the village of Clyde, authorized by act chapter 930, Laws of 1871, and resolution Canal Board of June 16, 1871 | 400 00 | |
| | | 25,400 00 |

ENGINEER.

| | | |
|---|---|---|
| No. 203. Daniel Richmond | | 6,000 00 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 163. Benjamin McFarlin, stop-dam at junction of the Genesee River feeder with canal at Rochester | $271 06 | |
| 164. William H. Douglas, doubling guard lock at Black Rock, and extending, etc., division bank at Lower Black Rock | 21,930 00 | |
| 178. Clark & Douglas, removing 800 feet division bank | 1,377 72 | |
| 182. Benjamin Butler, repairs section No. 10 | 36,408 33 | |
| 185. Val. F. Whitmore, repairs section No. 11 | 88,500 00 | |
| 191. Edward W. Williams, deepening canal from Lyell street to first lock east of Rochester | 8,245 00 | |
| 204. George D. Lord, repairs section No. 14 | 51,333 43 | |
| 206. Valentine F. Whitmore, constructing a timber road bridge over the channel leading from Cartersville waste-weir on the road leading from Cartersville to Penfield | 636 29 | |
| 209. John Hand, dredging channel around north end of Erie basin breakwater, removing deposit from Black Rock harbor and dredging Ohio basin | 21,465 52 | |
| Carried forward | $230,167 35 | $65,638 79 |

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|---|---|---|
| Brought forward | $230,167 35 | $65,638 79 |
| No. 212. George D. Lord, removing old warehouse foundation in Black Rock harbor, improving and completing the Main and Hamburgh Street canal at Buffalo, constructing iron bridges at Brockport and Tonawanda, inserting iron needle beams in Washington, Ferry, Genesee, Prince, Perry and Michigan street bridges, Buffalo, and constructing dock along the Howard agricultural works, south side Main and Hamburgh Street canal, Buffalo | 34,680 99 | |
| 220. William Mudgett, constructing ditch to drain the lands of Thos. McGuire, Murray, Orleans county, and inserting iron needle beams in bridges at Port Gibson, Palmyra and Macedon, | 3,398 07 | |
| 226. James J. Belden, extending Black Rock pier, and removing wing of old pier | 5,655 00 | |
| 234. Edward B. Van Dusen, removing easterly bridge at Palmyra, and constructing an additional roadway to next bridge west | 2,957 14 | |
| 235. Thos. Gale, removing bench walls and constructing slope wall and pavement between Lyons and Lockville, and raising and recoping Black Rock pier between Grand Trunk railroad crossing and new extension of said pier | 26,140 34 | |
| 236. James M. Wiltsie, doubling lower, middle and upper locks at Lockville, Lower Macedon, poor-house, Berlin, Clyde, Pittsford, Lyons, Miller's and Lock's No. 3, east of Rochester, and inserting new iron needle beams in bridges at Sodus and Glasgow sts., Clyde; Geneva, Church and Water sts., Lyons, and Charles and Vienna streets, Newark | 89,462 52 | |
| Carried forward | $392,461 41 | $65,638 79 |

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| | Brought forward | $392,461 41 | $65,638 79 |
| No. 237. | John Kiley, constructing iron bridges on Georgia street and over Ohio basin slip on Fulton street, Buffalo, and constructing vertical wall in village of Pendleton | 10,480 37 | |
| 245. | Patrick H. Linneen, inserting iron needle beams in bridges at Comstocks and Adams streets, Lockport; Millards, Hindsburgh and Shelby streets, Medina; iron swing-bridge on Main street, Albion, and two iron bridges at Brockville, west of Brockport; constructing stop-gate between Spencerport and Adams' Basin, west of Rochester, and between deep hollow culvert and wide water on long level west of Rochester | 34,067 59 | |
| 247. | Bernard and Daniel Hughes, constructing steam canal dredge | 5,474 36 | |
| 248. | Jarvis Lord, doubling locks Nos. 1 and 2, east of Rochester | 7,531 00 | |
| 249. | Lewis Selye, changing tow-path and improving line of canal along high clay bluff west of Rochester, and constructing waste-weir on three mile level, east of Brighton | 3,145 00 | |
| 250. | Cyrus Rose, constructing additional sluice from State ditch on south-east side of canal in Lockport, vertical wall on both sides canal at and near Shelby's Basin, and on berme side canal near Reynales' Basin | 6,816 71 | |
| 251. | Smith Wilbur, improving channel of Thomas creek, Perrinton, Monroe county, and improving and protecting the discharge from Newark waste-weir | 4,706 02 | |
| 259. | John M. Whipple, constructing iron bridges at McCarthy's, near Holley, Orleans county, at Mabees, Niagara county, and at Orangeport, Niagara county | 7,917 68 | |
| | Carried forward | $472,600 14 | $65,638 79 |

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|---|---|---|
| Brought forward | $472,600 14 | $65,638 79 |
| No. 260. James Reynolds, constructing vertical and slope wall on both sides over Otter creek, at Eagle Harbor | 2,112 83 | |
| 261. Andrew Spaulding, improving and widening canal, and constructing vertical wall between Erie and Commercial sts., Buffalo | 28,896 35 | |
| 262. Charles P. Skinner, constructing vertical wall on tow-path side of canal, between third and fourth locks, east of Rochester | 1,419 89 | |
| 263. Hugh M. Severance, raising and improving Sulphur Spring guard lock | 1,496 00 | |
| 264. George C. Hotchkiss, constructing iron bridge near Leach's mills, Lyons | 1,156 00 | |
| 267. John D. Spaulding, protecting and securing towing-path embankment at Ox Bow | 5,355 00 | |
| | | 513,036 21 |
| Total amount expended by John D. Fay, Canal Commissioner, on the Erie canal | | $578,675 00 |
| Total amount expended on the Erie canal | | $1,281,474 02 |

( B. )

## Champlain Canal.

*Vouchers rendered by George W. Chapman, Canal Commissioner, for payments by him on the Champlain canal.*

### Miscellaneous Payments.

| | | | |
|---|---|---|---|
| 1870. | | | |
| June | 30. | N. B. Milliman, lumber, improving basin at Fort Edward.... | $172 58 |
| | | Michael Mory, lumber, improving basin at Fort Edward.... | 98 06 |
| | | A. Burke, hardware, improving basin at Fort Edward..... | 113 40 |
| | | R. P. Freeman, ties, improving basin at Fort Edward..... | 24 75 |
| July | 31. | N. B. Milliman, lumber, improving basin at Fort Edward.... | 750 00 |
| Sept. | 30. | Geo. Cushing, Jr., services as assistant engineer..... | 135 00 |
| | | Henry A. Smyth, services as assistant engineer..... | 108 00 |
| | | L. J. Carrington, services as inspector ..... | 94 50 |
| | | McKaller & Vandenburgh, lumber, bridge at Cohoes..... | 91 25 |
| | | A. Le Roy & Co., hardware, bridge at Cohoes..... | 15 20 |
| | | Murphy & Marshall, lumber, bridge at Cohoes..... | 26 82 |
| | | Fuller & Safely, iron, bridge at Cohoes ..... | 14 52 |
| | | R. Benning, blacksmithing, bridge at Cohoes..... | 76 25 |
| | | N. Fonda, carting, bridge at Cohoes ..... | 19 25 |
| | | I. S. Vibbard, check-roll, July, bridge at Cohoes..... | 609 75 |
| | | Jno. W. Kipp, land damages, Oct. 4, 1869..... | 242 00 |
| | | Teft & Russell, lumber, improving basin at Fort Edward... | 44 65 |
| Oct. | 31. | S. H. Alexander, check-roll for August, dredging channel at Cohoes, near sloop lock, and in Mohawk river, between Cohoes and Waterford..... | 440 90 |
| | | Carried forward ..... | $3,076 88 |

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| | | Brought forward | $3,076 88 |
| Oct. | 31. | William Combs, coal for dredge, | 22 75 |
| | | Jno. Van Ornum, wood for dredge | 57 00 |
| | | D. G. Smith, coal for dredge | 74 13 |
| | | A. McChesney, towing dredge, | 58 00 |
| | | J. Jaquirs, repairs to dredge | 6 75 |
| | | C. M. Noxon, water for Glen's Falls feeder | 85 00 |
| | | Geo. Cushing, Jr., services as assistant engineer | 130 00 |
| | | L. J. Carrington, services as inspector | 91 00 |
| | | D. G. Smith, hardware, repairing bridge at Cohoes | 56 58 |
| | | E. Mon & Co., lumber, repairing bridge at Cohoes | 259 17 |
| | | J. Land & Son, lumber, repairing bridge at Cohoes | 39 71 |
| Nov. | 30. | George Cushing, Jr., services as assistant engineer | 130 00 |
| | | L. J. Carrington, services as inspector | 24 50 |
| | | Dana Reed, services as inspector | 104 00 |
| | | John Somers, services as inspector | 104 00 |
| | | Samuel Moak, services as leveler | 91 00 |
| Dec. | 31. | Geo. Heath, services as superintendent fitting tumble-gate, etc | 186 50 |
| | | Wm. T. Odell, services as counsel case of Zeba Leland *vs.* Geo. L. Ames, superintendent | 200 00 |
| | | Beach & Smith, services as counsel case of Zeba Leland *vs.* Geo. F. Oliver, engineer | 100 00 |
| | | Dana Reed, services as inspector | 104 00 |
| | | Samuel Moak, services as leveler | 91 00 |
| | | Geo. Cushing, Jr., services as assistant engineer | 130 00 |
| | | A. Hulett, services as meterologist, and use of records before appraisers | 10 00 |
| 1871. | | | |
| Jan. | 31. | John Somers, services as inspector | 16 00 |
| | | Carried forward | $5,247 97 |

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| | | Brought forward | $5,247 97 |
| Jan. | 31. | Geo. Cushing, Jr., services as assistant engineer | 135 00 |
| | | Samuel Moak, services as leveler | 108 00 |
| | | Dana Reed, services as inspector | 108 00 |
| | | Geo. Dinsmore, services as inspector | 112 00 |
| | | Roswell Durkee, services as inspector | 144 00 |
| | | R. J. Hilton, Jr., services as assistant engineer | 120 00 |
| | | Daniel Rudes, land damages | 25 00 |
| Feb. | 28. | Geo. Cushing, Jr., services as assistant engineer | 130 00 |
| | | Dana Reed, services as inspector | 104 00 |
| | | James Dempsey, services as inspector | 104 00 |
| March | 31. | Geo. Cushing, Jr., services as assistant engineer | 120 00 |
| | | Jas. Dempsey, services as inspector | 96 00 |
| | | Dana Reed, services as inspector | 96 00 |
| | | S. T. Barber's check roll for January and February: Rebuilding Glen's Falls feeder dam | 4,998 12 |
| | | W. H. Tilford, agent, freight | 30 64 |
| | | E. T. Weeks' check roll for April, 1870: Improving basin at Fort Edward | 739 35 |
| | | E. T. Weeks' check roll for May, 1870: Improving basin at Fort Edward | 653 28 |
| | | M. Mory's check roll for May, 1870: Improving basin at Fort Edward | 961 06 |
| April | 30. | J. D. Fancher, stone for Glen's Falls feeder dam | 501 62 |
| | | W. B. Cooper, services as assistant engineer | 148 50 |
| | | Geo. Cushing, Jr., services as assistant engineer | 135 00 |
| | | Dana Reed, services as inspector | 108 00 |
| | | R. J. Hilton, Jr., services as assistant engineer | 121 50 |
| | | Carried forward | $15,047 04 |

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| | | Brought forward | $15,047 04 |
| April | 30. | J. Dempsey, services as inspector | 108 00 |
| | | H. T. Blanchard, publishing notice to contractors | 18 81 |
| | | W. J. Donnelly, publishing notice to contractors | 19 25 |
| | | E. Wilson & Co., hardware, rebuilding Glen's Falls feeder dam | 832 12 |
| | | Glen's Falls Co., cement, rebuilding Glen's Falls feeder dam | 857 50 |
| | | J. Newcomb, blacksmithing, rebuilding Glen's Falls feeder dam | 40 45 |
| | | J. Jackson, Jr., & Son, lumber, rebuilding Glen's Falls feeder dam | 642 69 |
| | | W. H. Tilford, agent freight, rebuilding Glen's Falls feeder dam | 230 56 |
| | | S. T. Barber, Jr., check roll, March, rebuilding Glen's Falls feeder dam | 9,427 79 |
| | | N. Smith, wood for dredge | 12 00 |
| May | 31. | S. H. Alexander, repairs State dredge | 196 24 |
| | | J. A. Lebart, blacksmithing, State dredge | 21 83 |
| | | S. H. Alexander, wood, etc., State dredge | 5 65 |
| | | B. J. Slade, coal, State dredge | 10 00 |
| | | Fuller & Safely, iron, etc., State dredge | 6 35 |
| | | Thos. Slavin, coal, State dredge | 10 00 |
| | | G. W. Eddy, coal, State dredge, | 128 20 |
| | | Geo. Cushing, Jr., services as assistant engineer | 125 00 |
| | | Dana Reed, services as inspector, | 100 00 |
| | | Jas. Demsey, services as inspector | 100 00 |
| | | S. H. Alexander, check-roll for March, dredging Cohoes and Glen's Falls feeder dam | 292 50 |
| | | D. Shippley, boat, rebuilding Cohoes and Glen's Falls feeder dam | 70 00 |
| | | Carried forward | $28,301 98 |

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| | Brought forward | $28,301 98 |
| May 31. | J. Newcomb, blacksmithing, rebuilding Cohoes and Glen's Falls feeder dam | 37 14 |
| | Peck & Byrne, tools, etc., rebuilding Cohoes and Glen's Falls feeder dam | 19 67 |
| | Dix & Knox, hardware, rebuilding Cohoes and Glen's Falls feeder dam | 141 18 |
| | Jeffers & Haskell, hardware, rebuilding Cohoes and Glen's Falls feeder dam | 3 00 |
| | D. G. Roberts, lumber, rebuilding Cohoes and Glen's falls feeder dam | 18 00 |
| | Coolidge, Lee & Co., powder, etc., rebuilding Cohoes and Glen's Falls feeder dam | 23 36 |
| | McDonald, Sherman, C., & Co., cement and coal, rebuilding Cohoes and Glen's Falls feeder dam | 513 00 |
| | Sherrill & Buck, cement and coal, rebuilding Cohoes and Glen's Falls feeder dam | 663 75 |
| | Crittenden & Cowles, stationery, rebuilding Cohoes and Glen's Falls feeder dam | 9 69 |
| | De Long & Son, hardware, rebuilding Cohoes and Glen's Falls feeder dam | 370 46 |
| | A. Holbrook, stone, rebuilding Cohoes and Glen's Falls feeder dam | 193 13 |
| | W. H. Tilford, agent, express, rebuilding Cohoes and Glen's Falls feeder dam | 1 65 |
| | W. H. Tilford, agent, freight, rebuilding Cohoes and Glen's Falls feeder dam | 68 75 |
| | J. B. Carr & Co., chains for dredge | 52 90 |
| | Glen's Falls Company, stone, rebuilding Glen's Falls feeder dam | 3,613 25 |
| | Geo. Northrup, witness fees, etc., Board Canal Appraisers | 52 40 |
| | Carried forward | $34,083 31 |

| | | | |
|---|---|---|---|
| | Brought forward | $34,083 | 31 |
| May | 31. J. C. Monty, stone, rebuilding Glen's Falls feeder dam | 991 | 25 |
| | Glen's Falls Company, cement, rebuilding Glen's Falls feeder dam | 463 | 43 |
| | Samuel Pruyn, lumber, etc., rebuilding Glen's Falls feeder dam | 909 | 51 |
| | E. Putnam, telegrams, rebuilding Glen's Falls feeder dam | 7 | 53 |
| | W. H. Tilford, agent, express, rebuilding Glen's Falls feeder dam | 1 | 75 |
| | S. T. Barber, Jr., check-roll, March, rebuilding Glen's Falls feeder dam | 44 | 81 |
| | S. T. Barber, Jr., check-roll, April, rebuilding Glen's Falls feeder dam | 6,768 | 37 |
| | M. Morey, check-roll, April, stop-gate, foot Glen's Falls feeder | 867 | 37 |
| | John Osgood, hardware, stop-gate, foot Glen's Falls feeder, | 91 | 32 |
| | Bradley Underwood, lumber, stop-gate, foot Glen's Falls feeder | 282 | 35 |
| | N. B. Milliman, lumber, stop-gate, foot Glen's Falls feeder, | 179 | 40 |
| | Samuel Pruyn, lumber, stop-gate, foot Glen's Falls feeder, | 136 | 80 |
| | Thos. Yelverton, hardware, stop-gate, foot Glen's Falls feeder, | 30 | 00 |
| | Wing & Knapp, lumber, stop-gate, foot Glen's Falls feeder, | 40 | 50 |
| | M. Mory, lumber, etc., stop-gate, foot Glen's Falls feeder, | 260 | 00 |
| June | 30. Geo. Cushing, Jr., services as assistant engineer | 135 | 00 |
| | Dana Reed, services as inspector, | 108 | 00 |
| | S. H. Alexander, check-roll, May, dredging Glen's Falls feeder | 473 | 00 |
| | Morgan Lime Company, wood for Glen's Falls feeder dam | 26 | 25 |
| | Coolidge, Lee & Co., wick, State dredge, Glen's Falls feeder dam | 2 | 70 |
| | Carried forward | $45,902 | 65 |

| | | | |
|---|---|---|---|
| | | Brought forward | $45,902 65 |
| June | 30. | J. S. Wilbur, steel brake dredge, Glen's Falls feeder dam | 4 00 |
| | | Kennon & Baldwin, wood, for State dredge, Glen's Falls feeder dam | 18 00 |
| | | Jointa Lime Company, stone, rebuilding Glen's Falls feeder dam | 1,560 00 |
| | | James E. Lee, check-roll for May, labor, rebuilding Glen's Falls feeder dam | 483 50 |
| July | 31. | W. B. Cooper, services as assistant engineer | 143 00 |
| | | Geo. Cushing, Jr., services as assistant engineer | 130 00 |
| | | F. J. Harris, services as rodman, | 59 50 |
| | | Henry A. Smith, services as inspector | 92 00 |
| | | Dana Reed, services as inspector, | 104 00 |
| | | Samuel Moak, services as leveler | 104 00 |
| | | W. S. Waterbury, publishing notice to contractors | 50 75 |
| | | H. L. Grose & Sons, publishing notice to contractors | 50 75 |
| | | A. S. Pease, publishing notice to contractors | 50 75 |
| | | T. G. Young, publishing notice to contractors | 50 75 |
| | | S. H. Alexander, check-roll, June, dredging sand bars from channel, near Saratoga dam | 515 75 |
| | | G. P. Laing, repairing State dredge | 18 52 |
| | | Jerome B. Naylor, repairing State dredge | 5 00 |
| | | Simmons & Sutfin, wood for State dredge | 33 25 |
| | | Wm. Willmot, repairing State dredge and dump scow | 18 00 |
| | | P. Rozell, coal for State dredge, | 16 25 |
| | | Gilchrist & Hancock, repairing State dredge | 37 01 |
| | | Wm. H. Matthews, repairing State dredge | 7 87 |
| | | Andrew Fraser, repairing State dredge | 8 40 |
| | | Carried forward | $49,463 70 |

| | | | | |
|---|---|---|---|---|
| | | Brought forward | $49,463 70 | |
| July | 31. | M. G. Stoneman, ropes, etc., Glen's Falls feeder dam | 59 32 | |
| | | Jas. G. McNamara, lumber, Glen's Falls feeder dam | 38 24 | |
| | | E. S. Ketchum, lumber, Glen's Falls feeder dam | 142 68 | |
| | | Jas. E. Lee, check-roll, June, labor, Glen's Falls feeder dam, | 506 43 | |
| | | S. H. Alexander, check-roll, July, dredging prism of canal, | 461 00 | |
| | | B. C. Howland, repairing dredge, | 8 39 | |
| | | Simmons & Sutfin, wood for dredge | 29 22 | |
| | | Brightman & Losee, rope for dredge | 5 72 | |
| | | Clute Bros., iron etc., repairs to dredge | 15 25 | |
| Aug. | 31. | F. J. Harris, services as leveler, | 91 00 | |
| | | W. B. Cooper, services as assistant engineer | 143 00 | |
| | | Henry A. Smith, services as inspector | 104 00 | |
| | | Dana Reed, services as inspector, | 104 00 | |
| | | Samuel Moak, services as leveler, | 104 00 | |
| | | Geo. Cushing, Jr., services as assistant engineer | 130 00 | |
| | | W. A. Sherman, lumber, etc., rebuilding Glen's Falls feeder dam | 113 74 | |
| | | Clark Hall, lumber, etc., rebuilding Glen's Falls, feeder dam, | 117 76 | |
| | | R. P. Saxe, lumber, etc., rebuilding Glen's Falls feeder dam | 168 20 | |
| | | H. Jacobie, straw, rebuilding Glen's Falls feeder dam | 8 13 | |
| | | W. H. Tilford, agent freight and express, rebuilding Glen's Falls feeder dam | 57 35 | |
| | | S. T. Barber, Jr., check-roll, July, labor, rebuilding Glen's Falls feeder dam | 6,026 61 | |
| Sept. | 30. | Geo. Cushing, Jr., services as assistant engineer | 135 00 | |
| | | F. J. Harris, services as leveler, | 94 50 | |
| | | H. A. Smith, services as inspector | 108 00 | |
| | | | | $58,235 24 |
| | | Carried forward | | $58,235 24 |

| | | |
|---|---|---|
| Brought forward | | $58,235 24 |

MISCELLANEOUS DRAFTS.

| | | |
|---|---|---|
| Benj. F. Wells, superintendent section No. 1, repairs to the dam at Fort Miller bridge, and the Mohawk river bridge, pursuant to act, chapter 877, Laws of 1869 | $5,000 00 | |
| Benj. F. Wells, superintendent section No. 1, labor performed and materials furnished, pursuant to act, chapter 877, Laws of 1869 | 9,491 25 | |
| Benj. F. Wells, superintendent section No. 1, constructing bridges on change of plan on Sec. No. 1, pursuant to an order issued on the 21st of February, 1871, by Hon. Le Roy Morgain, one of the justices of the Supreme Court of the State | 7,214 56 | |
| | | 21,705 81 |

ENGINEER.

| | | |
|---|---|---|
| No. 73. Elhanon H. Crocker | | 23,285 29 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 54. Henry D. Denison, dredging Whitehall basin and constructing stone dam across the Hudson river at Fort Miller's bridge | $26,486 00 | |
| 57. John F. Hosch, improvement from Saratoga lock to Fort Miller lock | 408 00 | |
| 58. Charles Van Derkar, improvement at Waterford, and constructing wrought-iron bridge at Fort Edward | 12,019 00 | |
| 60. Clinton Stephens, improvement section 3, twelve mile level | 2,958 00 | |
| 61. James J. Belden, improvement section 2, twelve mile level | 3,043 00 | |
| 65. A. Caldwell Belden, improvement from Fort Miller lock to Moseskill lock, and from Moseskill lock to Fort Edward lock | 5,134 00 | |
| 71. Benjamin F. Wells, repairs section No. 1 | 7,717 50 | |
| 75. George Densmore, constructing Hewitt's lock | 11,005 99 | |
| 76. James P. Buck, constructing iron bridge at Fort Ann | 2,423 00 | |
| Carried forward | $71,194 49 | $103,226 34 |

| | | |
|---|---|---|
| Brought forward | $71,194 49 | $103,226 34 |
| No. 78. Amariah Holbrook, constructing guard lock at head of Glen's Falls feeder | 12,685 35 | |
| 79. John V. Boomer, enlarging sluice around south guard lock at Cohoes | 4,274 86 | |
| 80. James A. Wilson, repairs sec. No. 1 | 19,454 74 | |
| 81. George H. Taylor, constructing vertical wall and stop-gate at Fort Edward | 1,521 60 | |
| 82. John Hutchinson, constructing iron bridge at Oneida street, Cohoes | 2,262 71 | |
| 83. N. Stanton Gere, re-building Flynn's lock | 39,185 00 | |
| 85. George B. Sherrill, constructing vertical wall at Sandy Hill | 11,883 00 | |
| | | 162,461 75 |
| Total amount expended by George W. Chapman, canal commissioner, on the Champlain canal | | $265,688 09 |
| Total amount expended on the Champlain canal | | $265,688 09 |

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(C.)

## ERIE CANAL ENLARGEMENT.

*Vouchers rendered by George W. Chapman, Canal Commissioner, for payments by him on the Erie canal enlargement.*

### LAND DAMAGES.

| | | |
|---|---|---|
| Henry Lappeus, Half-moon, Saratoga county | $736 00 | |
| Abraham H. Bradt, award by Canal Board, Schenectady county | 183 00 | |
| W. C. Johnson, Utica, Oneida county | 340 00 | |
| | | $1,259 00 |
| Total amount expended by George W. Chapman, Canal Commissioner, on the Erie canal enlargement | | $1,259 00 |

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Erie canal enlargement.*

LAND DAMAGES.

| | | | |
|---|---|---|---|
| Thomas Morton, Skaneateles, Onondaga Co., | | $1,564 68 | |
| Simon D. Paddock, Jr., | " | " 276 25 | |
| Alonzo Wood & Son, | " | " 663 00 | |
| E. B. Hoyt, | " | " 831 51 | |
| H. W. Chadwick, Jr., | " | " 276 25 | |
| Earlls, Thayer & Co., | " | " 6,295 18 | |
| John L. Putnam, | " | " 1,326 00 | |
| Andrew J. Merrick, | " | " 552 50 | |
| Earlls & Tallman, | " | " 602 22 | |
| Samuel Bibbons, Spafford, | | " 934 32 | |
| Andrew J. Burnett, | " | " 267 50 | |
| Forest G. Weeks, Otisco, | | " 235 19 | |
| William Bardwell, | " | " 267 50 | |
| William H. Burnett, | " | " 214 00 | |
| Erastus W. Griffin, Spafford, | | " 42 80 | |
| L. A. Dibble, | " | " 59 76 | |
| George Clark, | " | " 280 71 | |
| Caroline A. Munroe, executrix of estate of James Munroe, deceased, Skaneateles... | | 442 00 | |
| Laura Harndon, Mentz, Cayuga county... | | 428 00 | |
| Minerva Canada, Otisco, Onondaga..... | | 193 88 | |
| | | | $15,753 25 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Erie canal enlargement..... | | | $15,753 25 |

*Vouchers rendered by John D. Fay, Canal Commissioner, for payments by him on the Erie canal enlargement.*

LAND DAMAGES.

| | | |
|---|---|---|
| Sterling Driggs, Tonawanda, Erie county, | $323 00 | |
| Stephen Colvin, Macedon, Wayne county, | 725 00 | |
| John Berger, Savannah, Wayne county... | 285 00 | |
| Michael Dumsey, Savannah, Wayne county, | 50 00 | |
| H. W. Lewis, Ridgeway, Orleans county.. | 200 00 | |
| Wm. H. Cuyler, Palmyra, Wayne county | 100 00 | |
| David Barry, overflow, Savannah, Wayne county ..... | 262 00 | |
| | | $1,945 00 |
| Total amount expended by John D. Fay, Canal Commissioner, on the Erie canal enlargement..... | | $1,945 00 |
| Total amount expended on the Erie canal enlargement, | | $18,957 25 |

( D. )

## OSWEGO CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Oswego canal.*

MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1870. | | | |
| Oct. | 31. | Peter Gorman, services as engineer on State dredge..... | $128 00 |
| | | Julia Conway, cleaning engineer's office, Fulton..... | 1 50 |
| | | W. U. Tel. Co., telegraphing.. | 3 11 |
| | | W. U. Tel. Co., telegraphing.. | 8 73 |
| | | A. & P. Tel. Co., telegraphing, | 92 |
| | | Eggleston & Gardner, stationery, | 10 81 |
| | | W. B. Shaw, rent, engineer's office, at Fulton..... | 12 50 |
| | | Joseph Wilber, services as inspector ..... | 59 50 |
| | | Isaac Thorp, services as inspector ..... | 237 00 |
| | | C. E. Smith, services as assistant engineer ..... | 316 00 |
| | | H. H. Coats, services as rodman, | 355 50 |
| | | A. & P. Tel. Co., telegraphing, | 1 88 |
| Nov. | 30. | Thomas Callin, services as crane-tender on State dredge..... | 27 00 |
| | | John Conners, services as deck hand on State dredge..... | 22 50 |
| Dec. | 31. | C. E. Smith, services as assistant engineer..... | 316 00 |
| | | H. H. Coats, services as rodman, | 355 50 |
| | | J. Wilbur, services as inspector, | 213 50 |
| | | Isaac Thorp, services as inspector ..... | 237 00 |
| | | Wm. B. Shaw, rent, engineer's office, Fulton..... | 12 50 |
| | | S. C. Schenck, fuel, engineer's office, Fulton..... | 9 96 |
| | | W. U. Tel. Co., telegraphing .. | 19 27 |
| | | Eggleston & Gardner, stationery, | 26 18 |
| 1871. | | | |
| Jan. | 31. | Palladium Printing Co., printing law points, case of Pardee vs. State..... ..... | 27 50 |
| | | Carried forward ..... | $2,402 36 |

| | | | |
|---|---|---|---|
| | Brought forward | $2,402 36 | |
| Feb. | 28. Truair, Smith & Co., publishing notice to contractors | 21 88 | |
| | Jos. A. Hoffman, publishing notice to contractors | 21 88 | |
| March | 31. Benjamin Scott, land damages, Oswego city | 25 00 | |
| April | 30. Eggleston & Gardner, stationery, engineer's office, Fulton, | 10 42 | |
| | M. U. Ex. Co., freight engineer's office, Fulton | 1 90 | |
| | S. C. Schenck, fuel, engineer's office, Fulton | 5 70 | |
| | W. U. Tel. Co., telegraphing, engineer's office, Fulton | 8 39 | |
| | W. B. Shaw, rent, engineer's office, Fulton | 12 50 | |
| | C. E. Smtih, services as assistant engineer | 308 00 | |
| | C. R. Breed, services as inspector, | 308 00 | |
| May | 31. C. R. Breed, services as inspector | 208 00 | |
| July | 31. Joseph Wilbur, services as inspector | 91 00 | |
| | Isaac Thorp, services as inspector | 78 00 | |
| | H. H. Coats, services as rodman | 117 00 | |
| | Patrick Murphy, services as axeman | 65 00 | |
| | H. H. Coats, services as rodman, | 234 00 | |
| | C. E. Smith, services as assistant engineer | 104 00 | |
| | C. E. Smith, services as assistant engineer | 208 00 | |
| | | | $4,231 03 |

Miscellaneous Drafts.

| | | |
|---|---|---|
| George Corkings, raising and rebuilding of iron, with iron needle beams, the wooden towing path bridge over the entrance to Durston's dry dock, Syracuse, on repair section No. 1 | $525 90 | |
| George Corkings, building iron bridge at Bear street, Syracuse, on repair section No. 1 | 3,056 28 | |
| George Corkings, opening State ditch, between mud lock and Liverpool, on repair section No. 1 | 3,750 00 | |
| Carried forward | $7,332 18 | $4,231 03 |

| | | |
|---|---|---|
| Brought forward | $7,332 18 | $4,231 03 |
| A. Cadwell Belden, restoring breaches in the berme bank in the Oswego river, between Hinmanville and horse-shoe dam | 11,451 00 | |
| Thomas Gale, vertical wall, near Bradley's brook | 3,188 00 | |
| George Corkings, vertical wall on the Syracuse and Salina level of the Oswego canal, on repair section No. 1 | 9,202 59 | |
| Geo. Ames, allowance by Canal Board, March 3, 1870, for building culvert under canal at Oswego | 2,318 00 | |
| | | 33,491 77 |

LAND DAMAGES.

| | | |
|---|---|---|
| Susan Greenleaf, Schroeppel, Oswego co. | $72 60 | |
| Philip McCann, Hinmansville, Oswego county | 535 00 | |
| Mary Hinman, Schroeppel, Oswego county, | 262 50 | |
| J. G. Willard, Granby, Oswego county | 2,000 00 | |
| Martin Crysler, Granby, Oswego county | 912 00 | |
| Andrew W. Mason, Syracuse, Onondaga county | 1,800 30 | |
| | | 5,582 40 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 78. Henry D. Dennison, rebuilding Minetto dam | $7,786 00 | |
| 80. James J. Belden, raising, protecting and improving banks, Oswego canal; rebuilding docks on side-cuts, Salina; building bridges at Cold Springs, Mud lock and Park street, Salina; vertical wall on enlargement section No. 4, and high dam, Oswego river | 55,189 25 | |
| 84. Charles J. DeGraw, enlarging culvert at Salina | 13,005 00 | |
| 87. George Corkings, repairs, section No. 1 | 19,810 33 | |
| 90. A. Cadwell Belden, repairs, section No. 2 | 30,411 66 | |
| 91. William Mudgett, rebuilding bulkhead in dam in front of Farwell's mill, Oswego river | 1,750 35 | |
| | | 127,952 59 |
| Total amount expended by William W. Wright, canal commissioner, on the Oswego canal | | $171,257 79 |
| Total amount expended on the Oswego canal | | $171,257 79 |

(E.)

## CAYUGA AND SENECA CANAL.

*Voucher rendered by John M. Jaycox, Canal Commissioner, for payment by him on the Cayuga and Seneca canal.*

LAND DAMAGES.

| | |
|---|---|
| James Keeler, Seneca Falls, Seneca county ..... | $94 00 |
| Total amount expended by John M. Jaycox, canal commissioner, on the Cayuga and Seneca canal, | $94 00 |

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Cayuga and Seneca canal.*

MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1870. | | | |
| Oct. | 31. | Chas. Kipp, oil, etc., for revolving beacon at Geneva ..... | $50 60 |
| | | Daniel Wheeler, two months' services lighting revolving beacon and care of lighthouses and piers at Geneva.. | 40 00 |
| | | Sundry persons, materials and labor for protecting berme bank along Seneca lake..... | 381 77 |
| | | Sundry persons, materials and labor for protecting berme bank along Seneca lake ..... | 1,785 20 |
| | | H. T. Beach, services as rodman ..... | 92 00 |
| Nov. | 30. | A. La Tourette, use of steam tug, towing gravel boats .... | 406 00 |
| | | John Nolan, services as patrolman ..... | 120 00 |
| | | W. W. Swift, deck hand, State dredge ..... | 17 50 |
| | | Devoe M'f'g Co., oil for beacon at Geneva ..... | 29 55 |
| | | Matthew Wilson, painting lighthouse at Geneva..... | 42 65 |
| | | S. G. Hadley, counsel before appraisers..... | 10 00 |
| | | Calvin P. Burlew, damages, Aurelius, Cayuga county.... | 75 00 |
| | | Carried forward ..... | $3,050 27 |

| | | | |
|---|---|---|---|
| | | Brought forward | $3,050 27 |
| Nov. | 30. | Sundry persons, materials and labor on bridge, approach, etc., at Ovid street Seneca Falls | 406 36 |
| Dec. | 31. | J. R. Grieve & Co., oil for State dredge | 3 50 |
| | | Daniel Wheeler, services lighting beacon, Geneva | 30 00 |
| | | Daniel Wheeler, freight on oil for beacon, Geneva | 3 43 |
| | | Charles Kipp, oil for beacon, Geneva | 20 00 |
| | | Underhill, Dorchester & Bro., fixtures for beacon, Geneva | 7 32 |
| | | John Nolan, services as patrolman | 80 00 |
| | | John T. Herrick, services as assistant engineer | 100 00 |
| | | Sundry persons, materials and labor at Ovid street bridge, Seneca Falls | 180 14 |
| 1871. | | | |
| Jan. | 31. | Wm. Hoffman, services as inspector | 120 00 |
| | | Congor & Mackay, materials and tools for protection of berme bank along Seneca lake | 28 65 |
| | | Chas. A. Steele, freight on oil for revolving lights | 2 59 |
| | | Caleb L. Candee, temporary damages, Aurelius, Cayuga county | 25 00 |
| Feb. | 28. | J. H. Kelly & Co., repairing light-house reflectors at Geneva | 16 30 |
| | | Sam'l Palmateer, agent in charge State tug, piers and lighting beacons at Geneva, etc | 54 23 |
| | | Jno. T. Herrick, services as assistant engineer | 120 00 |
| March | 31. | J. H. Kelly & Co., reburnishing light-house reflectors, etc | 17 10 |
| | | John T. Herrick, services as assistant engineer | 135 00 |
| | | Sundry persons, materials and labor for protection berme bank along Seneca lake | 76 70 |
| April | 30. | Samuel Palmateer, lighting beacon, etc., Geneva | 50 00 |
| | | Carried forward | $5,526 59 |

| | | | |
|---|---|---|---|
| | | Brought forward | $5,526 59 |
| April | 30. | P. Van Lew, use of small boat for soundings | 4 50 |
| | | Skelton & Co., furniture for light-house at Geneva | 1 63 |
| May | 31. | Wm. Hoffman, services as inspector | 144 00 |
| | | S. Palmateer, lighting beacon at Geneva | 20 00 |
| | | J. H. Kelly & Co., glass for light-house at Geneva | 8 00 |
| | | Jno. T. Herrick, services as assistant engineer | 260 00 |
| | | Dudley & Co., oil for beacon, Geneva | 49 78 |
| | | John Ostrander, hauling stone and gravel for berme protection along Seneca lake | 200 00 |
| June | 30. | John Ostrander, placing and compiling stone for berme protection along Seneca lake, | 80 00 |
| | | Lott Cook, stone for berme protection along Seneca lake | 937 50 |
| | | S. Palmateer, lighting beacon at Geneva | 20 00 |
| | | L. Maurice, materials, labor, etc., light-house at Ithaca | 46 05 |
| | | Chas. Bunge, repairs, etc., light-house at Geneva | 29 00 |
| | | John T. Herrick, services as assistant engineer | 130 00 |
| July | 31. | S. H. Parker, publishing notice to contractors | 15 00 |
| | | Ithaca Journal, publishing notice to contractors | 15 00 |
| | | N. Hyatt, publishing notice to contractors | 15 00 |
| | | Henry Stowell, publishing notice to contractors | 15 00 |
| | | R. L. Adams & Son, publishing notice to contractors | 21 00 |
| | | Corydon Fairchild, publishing notice to contractors | 21 00 |
| | | Spencer & Williams, publishing notice to contractors | 15 00 |
| | | Samuel Palmateer, lighting revolving beacon at Geneva | 20 00 |
| | | S. H. Parker, publishing notice to contractors | 14 38 |
| | | Carried forward | $7,608 43 |

| | | | |
|---|---|---|---|
| | Brought forward | $7,608 43 | |
| July | 31. M. Connors, hauling away tools at close of work, berme protection along Seneca lake | 1 00 | |
| | Jno. B. Dixon, earth for embankment and damages to fence | 350 00 | |
| Aug. | 31. John T. Herrick, services as assistant engineer | 130 00 | |
| | R. L. Adams & Son, publishing notice to contractors | 8 63 | |
| | Samuel Palmateer, lighting beacon at Geneva | 20 00 | |
| Sept. | 30. John T. Herrick, services as assistant engineer | 135 00 | |
| | Samuel Palmateer, lighting beacon at Geneva | 20 00 | |
| | M. C. Wright, repairs to lighthouse | 1 50 | |
| | | | 7,274 56 |

MISCELLANEOUS DRAFTS.

| | | |
|---|---|---|
| George Collins, extra work, repairs of bridges | $518 48 | |
| P. H. Field, materials and work on berme bank in Geneva, in 1863 | 1,210 18 | |
| | | 1,728 66 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 64. Jacob Schaub, rebuilding locks Nos. 2, 3, 9 and 11 | $6,467 53 | |
| 66. James H. Gould, constructing vertical wall on berme at Seneca Falls, between locks 4 and 5, | 5,586 45 | |
| 68. Thomas Keeler, swing-bridge near lock No. 11 | 771 17 | |
| 69. Charles H. Moore, iron bridge at Ovid street, Seneca Falls | 6,540 51 | |
| 70. John Ostrander, protecting berme bank along Seneca lake | 3,043 00 | |
| | | 22,408 66 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Cayuga and Seneca canal | | $31,411 88 |
| Total amount expended on the Cayuga and Seneca canal | | $31,505 88 |

(F.)

## CHEMUNG CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Chemung canal.*

### Miscellaneous Payments.

| | | | |
|---|---|---|---|
| 1870. | | | |
| Oct | 31. | Frank Burdick, labor on State dredge | $1 75 |
| | | T. E. Servis, labor on State dredge | 1 75 |
| | | Samuel Pitts, services as engineer on State tug | 156 00 |
| | | John O'Hara, services as inspector | 52 00 |
| | | Samuel Pitts, services as engineer on State tug | 93 00 |
| | | John B. Sheldon, services as pilot and general helper on State tug | 62 00 |
| | | D. E. Whitford, services as ass't engineer | 395 00 |
| | | Calvin Shelton, services as leveler | 296 25 |
| | | H. R. Wright, services as rodman | 237 00 |
| | | Geo. E. Runyan, services as inspector | 120 00 |
| | | Heirs of Peter Tracey, rent of assistant engineer's office at Havana | 25 00 |
| | | Geo. T. Hinman, stationery for assistant engineer's office, Havana | 9 75 |
| | | North'n Central Telegraph Co., telegraphing, Havana | 6 47 |
| | | C. Harris, P. M., postage stamps, | 3 75 |
| | | A. L. Archambault, propeller wheel for State tug | 100 00 |
| Dec. | 31. | John B. Sheldon, pilot and general helper on State tug | 90 00 |
| | | Samuel Pitts, engineer and fireman on State tug | 117 00 |
| | | T. S. Angel, disbursements, etc., for State tug | 46 74 |
| | | Carried forward | $1,813 46 |

| | | | |
|---|---|---|---|
| | | Brought forward | $1,813 46 |
| Dec. | 31. | T. S. Angel, agent and master of State tug | 315 00 |
| | | P. B. Russel, services as superintendent and inspector | 64 50 |
| | | Wm. Fuller, helper on State tug, | 7 50 |
| | | Walker & Lathrop, supplies, etc., State tug | 119 76 |
| | | Preston & Heermans, supplies and repairs, State tug | 33 89 |
| | | E. N. Covert, freight on tug wheel | 8 16 |
| 1871. | | | |
| Jan. | 31. | D. E. Whitford, services as ass't engineer | 395 00 |
| | | C. Shelton, services as leveler, | 296 25 |
| | | H. R. Wright, services as rodman | 237 00 |
| | | H. T. Beach, services as rodman | 316 00 |
| | | Chas. Haines, postage stamps, assistant engineer's office | 3 00 |
| | | A. Lowery, fuel, assistant engineer's office | 6 90 |
| | | Heirs of Peter Tracey, rent, assistant engr's office, Havana, | 15 00 |
| | | N. C. R. W. Tel. Co., telegraphing, assist. engineer's office | 11 00 |
| | | G. T. Hinman, supplies, assistant engineer's office | 2 97 |
| | | L. Sherwood, fuel, assistant engineer's office | 1 95 |
| | | Geo. E. Runyan, services as inspector | 196 00 |
| | | H. M. Race, services as inspector on repairs break at Corning, and services closing up account | 99 00 |
| | | Chas. Bunge, clock-work movement for revolving light on pier at Watkins | 250 00 |
| Feb. | 28. | Hayes & Tompkins, furniture and repairs, fixtures, State tug, | 3 55 |
| | | D. P. Dey, services as inspector, | 212 00 |
| | | S. T. Arnot, driving piles at Watkins, 1860–2 | 244 15 |
| March | 31. | Wm. B. Dunning, repairs State tug | 3 25 |
| | | Carried forward | $4,655 29 |

| | | | |
|---|---|---|---|
| | | Brought forward | $4,655 29 |
| March | 31. | S. L. Adams, painting State tug, | 11 25 |
| | | P. Q. Lincoln, calking State tug, | 10 88 |
| | | C. W. Green, calking State tug, | 10 88 |
| | | Hiram Raymond, damages, Havana, Schuyler county | 300 00 |
| April | 30. | Geo. K. Smith, painting and graining State tug | 37 50 |
| | | C. Shelton, services as leveler | 308 00 |
| | | H. T. Beach, services as rodman, | 308 00 |
| | | Chas. Harris, postage stamps, engineer's office | 3 00 |
| | | Geo. T. Hinman, stationery, engineer's office | 9 45 |
| | | Heirs of Peter Tracey, rent, engineer's office | 15 00 |
| | | N. W. C. R. W. Tel. Co., telegraphing, engineer's office | 5 70 |
| | | A. Lowery, fuel, engineer's office, | 12 90 |
| | | Geo. E. Runyan, services as inspector | 44 00 |
| | | D. P. Dey, services as inspector, | 272 00 |
| | | P. La Tourette, engineer and fireman, State tug | 15 00 |
| | | Jno. B. Sheldon, pilot and general helper, State tug | 24 00 |
| | | T. S. Angel, master, State tug, | 54 00 |
| | | T. S. Angel, supplies, State tug, | 17 48 |
| | | Skilton & Co., materials, State tug | 1 80 |
| | | W. H. Clute, repairing State tug | 6 00 |
| | | Jas. H. Kelly & Co., revolving light of three reflectors for light-house at Watkins | 112 50 |
| May | 31. | Peter B. Russell, services as inspector | 51 00 |
| June | 30. | T. S. Angel, master, State tug, | 139 50 |
| | | Robert La Tourette, engineer and fireman, State tug | 93 00 |
| | | Jno. B. Sheldon, pilot, etc., State tug | 62 00 |
| | | O. H. Wright, services as inspector | 156 00 |
| | | G. E. Runyan, service as inspector | 208 00 |
| | | Peter B. Russell, services as inpector | 12 00 |
| | | Carried forward | $6,956 13 |

| | | | |
|---|---|---|---|
| | | Brought forward | $6,956 13 |
| June | 30. | Calvin Shelton, servic's as leveler | 208 00 |
| | | H. T. Beach, services as rodman, | 208 00 |
| | | E. Dakin, coal for State tug | 18 00 |
| | | D. P. Dey, services as inspector, | 148 00 |
| | | J. W. Smith & Co., supplies for State tug | 7 13 |
| | | P. Gaylord, rep'rs for State tug, | 3 00 |
| | | Calvin Shelton, services as leveler | 104 00 |
| | | N. Y. C. R. R. Tel. line, telegraphing Havana | 7 17 |
| | | A. Keyser, P. M., pos'ge stm'ps, assistant engineer, Havana | 3 00 |
| | | H. Perry, use of boats taking soundings | 3 00 |
| | | H. T. Beach, services as rodman, | 104 00 |
| July | 31. | Seba Darrin, repairs, State tug, | 17 67 |
| | | P. J. Brown, repairs, State tug, | 9 00 |
| | | Preston & Heermans, repairs, State tug | 17 95 |
| | | O. H. Wright, services as rodman | 78 00 |
| | | T. S. Angel, master State tug, June | 135 00 |
| | | John B. Sheldon, pilot State tug, June | 60 00 |
| | | Samuel Pitts, engineer State tug, June | 90 00 |
| | | A. G. Ball, publishing notice to contractors | 50 75 |
| | | L. M. Gano, publishing notice to contractors | 50 75 |
| | | W. H. Baldwin, publishing notice to contractors | 50 75 |
| | | L. L. Jones, storage on wheel, State tug | 1 00 |
| Aug. | 31. | D. E. Whitford, services as ass't engineer | 130 00 |
| | | Calvin Shelton, services as leveler | 104 00 |
| | | H. T. Beach, services as rodman | 104 00 |
| | | S. C. Keeler, P. M., postage, assistant engineer | 3 00 |
| | | Heirs of Peter Tracey, rent of assistant engineer's office | 15 00 |
| | | T. S. Angel, master State tug, | 139 50 |
| | | Carried forward | $8,825 80 |

| | | | | |
|---|---|---|---|---|
| | | Brought forward | $8,825 80 | |
| Aug. | 31. | Samuel Pitts, eng'r State tug | 93 00 | |
| | | John B. Sheldon, pilot, etc., State tug | 62 00 | |
| | | H. R. Wright, services as inspector | 78 00 | |
| | | O. H. Wright, services as inspector | 78 00 | |
| | | A. G. Ball, publishing notice to contractors | 9 38 | |
| | | Skilton & Co., hoe for State tug | 88 | |
| Sept. | 30. | D. E. Whitford, services, as ass't engineer | 135 00 | |
| | | Calvin Shelton, services as leveler | 108 00 | |
| | | H. T. Beach, services as rodman, | 108 00 | |
| | | O. H. Wright, services as rodman | 81 00 | |
| | | H. R. Wright, services as inspector | 108 00 | |
| | | T. S. Angel, services as master State tug | 139 50 | |
| | | Samuel Pitts, services as engineer State tug | 93 00 | |
| | | John B. Sheldon, services as pilot, State tug | 62 00 | |
| | | W. H. Baldwin, publishing notice to contractors | 5 57 | |
| | | | | 9,987 13 |

Miscellaneous Drafts.

| | | |
|---|---|---|
| George J. Magee, breakwater at Watkins, | $3,022 86 | |
| George Dinhert, iron bridge at Main street, Horseheads | 990 66 | |
| Thos. W. Armstrong, protecting banks of Mill creek at Watkins | 2,090 00 | |
| John Leahey, removing old bridge and abutments, and constructing new ones, in the village of Horseheads | 4,779 00 | |
| John Leahey, repairing break at Corning | 15,773 40 | |
| | | 26,655 92 |

Land Damages.

| | | |
|---|---|---|
| Stephen Williams, Veteran, Chemung Co., | $2,962 50 | |
| E. W. Howell, Millport, Chemung county, | 1,393 62 | |
| E. Meeker, Millport, Chemung county | 843 75 | |
| Carried forward | $5,199 87 | $36,643 05 |

| | | |
|---|---|---|
| Brought forward | $5,199 87 | $36,643 05 |
| Treman & Banks, Millport, Chemung Co., | 3,196 40 | |
| G. Hoffman, Millport, Chemung county | 562 50 | |
| Wm. Dean, Millport, Chemung county | 1,278 75 | |
| E. S. & G. Rumsey, Millport, Chemung county | 2,601 50 | |
| Horace Seaman, Millport, Chemung county, | 2,718 75 | |
| Augustus Botsford, Millport, Chemung county | 2,066 25 | |
| Ovid Plumb, Millport, Chemung county | 3,187 50 | |
| Chas. C. Coston, Millport, Chemung county, | 1,307 46 | |
| Samuel N. Coe, Millport, Chemung county, | 1,345 31 | |
| Isaac Kelly, Millport Chemung county | 616 87 | |
| Judah Whitcomb, Millport Chemung Co., | 3,231 25 | |
| Alonzo Banks, Millport, Chemung county, | 5,170 40 | |
| John A. Sterling, Millport Chemung county, | 908 96 | |
| Heirs of John Kingsbury, Millport, Chemung county | 3,609 37 | |
| | | 37,001 14 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 62. John Leahey, repair contract | $87,040 86 | |
| 66. Philip Corkings, cleaning out State ditch on lands of M. Sayre and others | 1,375 90 | |
| 67. A. Cadwell Belden, dredging canal from lock 1 to Seneca lake | 5,865 00 | |
| 68. Henry D. Denison, raising and extending breakwater at Watkins | 10,931 00 | |
| 69. John Dunn, removing old lock and constructing dam, waste gate, and culvert near junction with Chmung canal at Elmira, | 4,024 48 | |
| 70. Edward B. Van Dusen, bridge abutments for iron bridge over old Chemung canal at Watkins, | 1,921 00 | |
| | | $111,158 24 |

| | |
|---|---|
| Total amount expended by William W. Wright, Canal Commissioner, on the Chemung canal | $184,802 43 |
| Total amount expended on the Chemung canal | $184,802 43 |

## ( G. )

## CROOKED LAKE CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Crooked Lake canal.*

### Miscellaneous Payments.

| | | | | |
|---|---|---|---|---|
| 1871. | | | | |
| April | 30. | O. H. Wright, services as rodman | $231 00 | |
| | | D. E. Whitford, services as assistant engineer | 385 00 | |
| | | S. C. Cleveland, advertising notice of lettings | 19 25 | |
| | | Eli McConnell, publishing notice to contractors | 19 25 | |
| | | Robert F. Conklin, brush for protection of canal | 50 00 | |
| May | 31. | Adam M. Davis, coal for State tug | 21 54 | |
| | | sundry persons, materials and labor for bottoming down lake level at Penn Yan | 1,453 78 | |
| | | sundry persons, materials and labor for bottoming down lake level at Penn Yan | 359 50 | |
| June | 30. | D. E. Whitford, services as assistant engineer | 260 00 | |
| | | D. E. Whitford, services as assistant engineer | 130 00 | |
| | | | | 2,929 32 |

### Miscellaneous Draft.

| | | |
|---|---|---|
| O. C. Knapp, brush and stone protection for banks of the Crooked Lake canal | $2,800 00 | |
| | | 2,800 00 |

### Contractors.

| | | |
|---|---|---|
| No. 25. Oliver C. Knapp, repair contract, | $8,298 96 | |
| | | 8,298 96 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Crooked Lake canal | | $14,028 28 |
| Total amount expended on the Crooked Lake canal | | $14,028 28 |

## (H.)

## CHENANGO CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him, on the Chenango canal.*

### MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1870. | | | |
| Oct. | 31. | T. H. Van Emburgh, plank for bridge at Greene | $102 66 |
| | | L. F. Dean, freight on plank for bridge at Greene | 5 00 |
| | | E. Davis, loading plank for bridge at Greene | 1 00 |
| | | H. O. Cheesebro, services as legal attorney (extension) and agent | 100 00 |
| | | Wm. V. Van Rensselaer, services as assistant engineer | 395 00 |
| | | Chas. D. Smith, services as rodman | 78 00 |
| Dec. | 31. | J. L. Weed, work on bridge approaches at Binghamton | 50 00 |
| | | George Becker, legal services before Canal Appraisers (extension) | 500 00 |
| 1871. | | | |
| Jan. | 31. | W. V. Van Rensselaer, services as assistant engineer | 395 00 |
| | | S. J. Lounsberry, temporary damages, Fenton, Broome Co. | 50 00 |
| | | C. D. Smith, services as rodman | 237 00 |
| | | H. Odell, measuring and overhauling timber (extension) | 30 00 |
| Feb. | 28. | Chas. D. Smith, services as rodman | 108 00 |
| | | H. Odell, examination and repairs of temporary bridges between Binghamton and Owego (extension) | 42 10 |
| Mar. | 31. | H. O. Cheesebro, services and expenses as legal agent (extension) | 1,500 00 |
| April | 30. | Wm. V. Van Rensselaer, services as assistant engineer | 385 00 |
| | | Carried forward | $3,978 76 |

| | | | | |
|---|---|---|---|---|
| | | Brought forward | $3,978 76 | |
| April | 30. | H. M. Race, services as inspector | 132 00 | |
| | | Warren Post, services as inspector | 176 00 | |
| | | C. A. Beach, services as assistant engineer | 385 00 | |
| May | 31. | Wm. V. Van Rensselaer, services as assistant engineer | 260 00 | |
| | | J. W. Clark, services as rodman | 208 00 | |
| | | H. M. Race, services as inspector | 172 00 | |
| June | 30. | Warren Post, services as inspector | 100 00 | |
| | | Chas. A. Beach, services as assistant engineer | 115 00 | |
| | | H. M. Race, services as inspector | 104 00 | |
| | | Jay W. Clark, services as inspector and rodman | 52 00 | |
| | | W. V. Van Rensselaer, services as assistant engineer | 130 00 | |
| | | Geo. Becker, legal services, extension | 250 00 | |
| July | 31. | Connelly Bros., blank books, final accounts | 15 00 | |
| | | E. Norton, publishing notice to contractors | 15 00 | |
| | | W. H. Baker | 21 00 | |
| | | Amos Daniels, rent of land for depot, stone, etc | 25 00 | |
| | | Keeler & Houk, labor, repairing highway section 26 | 6 00 | |
| | | Geo. Brown, temporary right of way across farm | 10 00 | |
| Aug. | 31. | H. M. Race, services as inspector | 140 00 | |
| | | Sundry persons, constructing abutments to iron road bridge at Greene | 401 25 | |
| Sept. | 30. | H. M. Race, services as inspector | 108 00 | |
| | | W. V. Van Rensselaer, services as assistant engineer | 265 00 | |
| | | Sundry persons, rebuilding iron bridge at Greene | 1,070 50 | |
| | | | | $8,139 51 |
| | | Carried forward | | $8,139 51 |

| | | |
|---|---|---|
| Brought forward | | $8,139 51 |

MISCELLANEOUS DRAFTS.

| | | |
|---|---|---|
| George Dinhert, iron bridge at Mitchell street, Norwich | $2,057 00 | |
| Levi F. Dean, extra work on swing-bridge at Greene | 158 89 | |
| Wm. H. Baker, pursuant to act, chap. 463, Laws of 1871, and resolution of Canal Board, 24th June, 1871 | 404 27 | |
| | | 2,620 16 |

LAND DAMAGES.

| | | |
|---|---|---|
| Winfield Bloodgood, Vestal, Broome county, | $2,026 47 | |
| Geo. F. Cogswell, Vestal, Broome county, | 385 20 | |
| Mary Carnochan, Vestal, Broome county | 701 47 | |
| Sylvanus Hagadorn, Vestal, Broome county, | 214 00 | |
| Henry Harris, Vestal, Broome county | 832 46 | |
| Elizabeth Ball and others et al., Vestal, Broome county | 546 97 | |
| Geo. Brown, Owego, Tioga county | 552 25 | |
| Josiah L. Davison, Owego, Tioga county | 820 15 | |
| Nathaniel Catlin, Owego, Tioga county | 694 26 | |
| Richard D. Harrington, Vestal Broome county | 1,826 28 | |
| Isaac F. Brown, Owego, Tioga county | 587 50 | |
| Henry A. Sheldon, Vestal Broome county, | 1,409 88 | |
| Elizabeth Olmstead, Vestal Broome county, | 733 02 | |
| J. F. & Grant Mescreau, Owego, Tioga county | 1,821 64 | |
| | | 13,151 55 |

ENGINEER.

| | | |
|---|---|---|
| No. 106. Charles L. McAlpine | | 10,000 00 |

CONTRACTORS.

| | | |
|---|---|---|
| No. 76. Ambrose L. Smith, rebuilding locks, Nos. 18, 19 and 22 | $9,258 78 | |
| 87½. James J. Belden, repairs section No. 1 | 18,699 79 | |
| 93. Asa C. Palmer, constructing Apalachin and Tracy creek aqueducts | 2,958 00 | |
| 97. Thomas Gale, constructing section No. 20, allowance by Canal Board, July 1st, 1870 | 17,252 23 | |
| 102. John Dunn, piling lumber from Binghamton to section No. 20. | 1,326 31 | |
| Carried forward | $49,495 11 | $33,911 22 |

| | | |
|---|---|---|
| Brought forward | $49,495 11 | $33,911 22 |
| No. 103. James J. Belden, repairs of partial reconstruction of locks No. 101, 107, 108 and 110 | 44,863 00 | |
| 105. John Hull, repairs section No. 2, | 10,676 21 | |
| 107. Henry G. Jackson, constructing sections No. 4 and 5 | 21,612 08 | |
| 108. Edward B. Van Dusen, constructing Chocanut aqueduct and culverts, on sections No. 1 to 20, | 15,657 00 | |
| 112. N. Stanton Gere, constructing locks Nos. 1, 3, 4 and 6 | 4,777 00 | |
| 113. Charles P. Skinner, constructing section No. 6 and part of 7 | 20,093 87 | |
| 115. Levi F. Dean, constructing swing-bridges at Henry street, Binghamton, and Main st., Greene, | 4,541 25 | |
| 116. Edward B. Van Dusen, constructing iron bridge at Court street, Binghamton | 6,375 00 | |
| 117. N. Wilson Parker, repairs, etc., of Kingsley brook feeder | 11,226 45 | |
| 118. T. H. Van Emburgh & Shear, piling lumber owned by State, | 278 70 | |
| | | 189,595 67 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Chenango canal | | $223,506 89 |
| Total amount expended on the Chenango canal | | $223,506 89 |

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(I.)

## BLACK RIVER CANAL.

*Vouchers rendered by George W. Chapman, Canal Commissioner, for payments by him on the Black River canal.*

### Miscellaneous Payments.

| | | |
|---|---|---|
| 1870. | | |
| Sept. 30. J. H. Sprague, check roll for August, repairing Woodhull reservoir | $938 48 | |
| Wardwell Bros., anvil, repairing Woodhull reservoir | 19 95 | |
| Oct. 31. Caleb L. Sweet, keeper North and South branch reservoir, 2 mos., | 100 00 | |
| Carried forward | $1,058 43 | |

| | | |
|---|---|---|
| | Brought forward | $1,058 43 |
| Oct. 31. | Warren Foundry and Machine Co., pipes for Woodhull reservoir | 1,662 79 |
| | J. A. Allen, services as assistant engineer | 117 00 |
| | C. A. Wider's check roll for September, repairing Woodhull reservoir | 1,528 74 |
| | J. H. Sprague, check roll of Sept., repairing Woodhull reservoir | 713 74 |
| | John Scanlan, pulling blocks, repairing Woodhull reservoir | 14 60 |
| | C. Dodge & Son, sundries, repairing Woodhull reservoir | 90 45 |
| | Colton Bros., hardware, repairing Woodhull reservoir | 51 35 |
| | N. Schweinsburgh, rope, repairing Woodhull reservoir | 16 00 |
| | John Harig, Jr., lumber, repairing Woodhull reservoir | 46 95 |
| | S. O. & L. B. Cook, hardware, repairing Woodhull reservoir | 64 56 |
| | M. Monahan, freight on pipes, repairing Woodhull reservoir | 152 75 |
| | R. M. Fitch, freight on pipes, repairing Woodhull reservoir | 109 94 |
| | P. Dwyer, caulking, repairing Woodhull reservoir | 117 00 |
| Nov. 30. | Ludlow Valve Manufacturing Co., valves for repairing Woodhull reservoir | 1,045 00 |
| | J. A. Allen, services as assistant engineer | 130 00 |
| | C. A. Wider, check roll, Oct., repairing Woodhull reservoir | 2,038 70 |
| | J. H. Sprague, check roll, Oct., repairing Woodhull reservoir | 1,243 69 |
| | A. Clover's check roll, October, repairing Woodhull reservoir | 956 72 |
| | Leon Muller, stove, etc., repairing Woodhull reservoir | 14 67 |
| | John Root, blacksmithing, repairing Woodhull reservoir | 14 38 |
| | C. F. Weeks, repairing wagons, repairing Woodhull reservoir | 24 00 |
| | S. O. & L. B. Cook, hardware, etc., repairing Woodhull reservoir | 150 99 |
| | Carried forward | $11,362 45 |

| | | |
|---|---|---|
| | Brought forward | $11,362 45 |
| Nov. 30. | C. Dodge & Son, oakum, etc., repairing Woodhull reservoir... | 32 39 |
| | Delos Cramer, blacksmithing, repairing Woodhull reservoir... | 60 50 |
| | S. E. Snow, freight on valves, repairing Woodhull reservoir... | 14 00 |
| | G. Evans, coal, etc., repairing Woodhull reservoir..... | 43 81 |
| Dec. 31. | Caleb L. Sweet, keeper North and South branch reservoir, 2 mos., | 100 00 |
| | J. A. Allen, services as assistant engineer ..... | 130 00 |
| | Wardville Brothers, hardware, repairing Woodhull reservoir.. | 89 90 |
| | Colton Brothers, hardware, repairing reservoir..... | 34 66 |
| | N. Schweinsburg, rope, repairing Woodhull reservoir..... | 23 55 |
| | A. McVicar, use of wagon, repairing Woodhull reservoir..... | 25 00 |
| | T. B. Butts, lumber, repairing Woodhull reservoir..... | 38 70 |
| | Delos Cramer, iron, repairing Woodhull reservoir..... | 65 90 |
| | J. Herrick, Jr., lumber, repairing Woodhull reservoir..... | 30 44 |
| | Isaac Gilbert, iron, etc., repairing Woodhull reservoir..... | 23 60 |
| | L. E. Cone, blacksmithing, repairing Woodhull reservoir..... | 56 00 |
| | S. O. & L. B. Cook, hardware, repairing Woodhull reservoir, | 20 65 |
| | Philip Straden, lumber, repairing Woodhull reservoir..... | 61 02 |
| | C. Dodge & Son, sundries, etc., repairing Woodhull reservoir, | 38 92 |
| | R. Nichols, repairing wagons, repairing Woodhull reservoir... | 27 00 |
| | C. A. Widers, check roll, Nov. repairing Woodhull reservoir, | 2,535 72 |
| | A. Clover, check roll, Nov. repairing Woodhull reservoir..... | 1,413 83 |
| 1871. | | |
| Jan. 31. | J. A. Allen, services as assistant engineer ..... | 135 00 |
| | Caleb L. Sweet, keeper North and South branch reservoir, 2 mos., | 100 00 |
| | Carried forward ..... | $16,463 04 |

| | | |
|---|---|---|
| | Brought forward | $16,463 04 |
| Jan. 31. | S. O. & L. B. Cook, hardware, repairing Woodhull reservoir, | 68 48 |
| | C. Dodge & Son, sundries, repairing Woodhull reservoir | 33 05 |
| | Delos Cramer, blacksmithing, repairing Woodhull reservoir | 32 79 |
| | John Herrick, Jr., lumber, repairing Woodhull reservoir | 11 56 |
| | C. A Wider, check roll, Dec., repairing Woodhull reservoir | 1,845 08 |
| | A. Clover, check roll, Dec., repairing Woodhull reservoir | 1,008 11 |
| | L. L. Nichols, engraving, Black river, claims (damages) | 144 00 |
| March 31. | Hudson C. Tanner, services as stenographer, Bl'k river, claims (damages) pr. resolution Canal Board, March 2, 1871 | 1,000 00 |
| April 30. | Caleb L. Sweet, keeper North and South branch reservoir, 2 mos., | 100 00 |
| | C. A. Olmstead, services Black river, claims (damages) | 80 00 |
| May 31. | Caleb L. Sweet, keeper North and South branch reservoir, 2 mos., | 100 00 |
| June 30. | John H. Knox, summoning witnesses, etc., in Black river claim cases | 63 00 |
| | L. L. Nichols, engineer in Black river claim cases | 64 00 |
| | Geo. S. Greene, assistant counsel in Black river claim cases | 300 00 |
| July 31. | Beers & Kessinger, publishing notice to contractors | 50 75 |
| | C. A. Widers, check roll, June, labor rebuilding Woodhull reservoir | 1,338 20 |
| | John Harrig, Jr., lumber, rebuilding Woodull reservoir | 44 36 |
| | S. O. & L. B. Cook, hardware, rebuilding Woodhull reservoir | 16 99 |
| Aug. 31. | C. A. Wider's, check roll, July, labor, new reservoir at Sand Lake | 1,473 71 |
| | G. W. Wentworth, coal, new reservoir at Sand Lake | 3 00 |
| | John Harrig, Jr., lumber, new reservoir at Sand Lake | 71 76 |
| | Carried forward | $24,311 88 |

| | | | |
|---|---|---|---|
| | Brought forward | $24,311 88 | |
| Aug. 31. | E. C. Dodge, oil, etc., new reservoir at Sand Lake | 35 47 | |
| | Colton Brothers, hardware, new reservoir at Sand Lake | 13 07 | |
| Sept. 30. | C. A. Widers, check roll, August, labor, constructing Sand Lake reservoir | 3,278 42 | |
| | Colton Brothers, hardware, Sand Lake reservoir | 27 71 | |
| | John Harrig, Jr., lumber, Sand Lake reservoir | 293 11 | |
| | N. Schweinsburg, cement, Sand Lake reservoir | 196 00 | |
| | S. O. & L. B. Cook, hardware, Sand Lake reservoir | 34 76 | |
| | Watts & Cramer, blacksmithing, Sand Lake reservoir | 22 37 | |
| | E. C. Dodge, paint, etc., Sand Lake reservoir | 48 17 | |
| | C. F. Rice, sash, Sand Lake reservoir | 7 68 | |
| | Palladium Printing Company, printing testimony in B. R. C. cases | 1,608 00 | |
| | | | $29,876 64 |

CONTRACTORS.

| | | | |
|---|---|---|---|
| No. 162. | Ward & McVicker, allowance by Canal Board, under act, chap. 613, Laws of 1869, for extra work on sections 2 and 3, Black River canal | $1,570 00 | |
| No. 166. | Daniel Ford, enlarging, widening and deepening the section of the Black River canal, from its junction with the Erie canal at Rome, to the first lock in the Black river canal | 3,993 92 | |
| No. 169. | Israel G. Wood, repairs section No. 3 | 11,679 48 | |
| No. 170. | Charles Nichols, constructing iron bridges at Floyd & Dominick streets, Rome | 4,713 20 | |
| No. 171. | Edward B. Van Dusen, constructing bridge at Parker's Landing, | 11,118 00 | |
| No. 172. | Charles P. Skinner, constructing wooden bridge at Port Leydon, | 1,105 63 | |
| | Carried forward | $34,180 23 | $29,876 64 |

| | | |
|---|---|---|
| Brought forward | $34,180 23 | $29,876 64 |
| No. 173. John M. Whipple, constructing iron bridge at Boonville | 1,678 00 | |
| | | 35,858 23 |
| Total amount expended by George W. Chapman, Canal Commissioner, on the Black River canal | | $65,734 87 |
| Total amount expended on the Black River canal | | $65,734 87 |

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(J.)

## GENESEE VALLEY CANAL.

*Vouchers rendered by John D. Fay, Canal Commissioner, for payments by him on the Genesee Valley canal.*

### MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1870. | | | |
| Aug. | 31. | Wash. F. Clark, superintending State steam dredge, August | $108 00 |
| Sept. | 30. | Wash. F. Clark, superintending State steam dredge, September | 104 00 |
| Oct. | 31. | Wash. F. Clark, superintending State steam dredge, October, | 104 00 |
| | | S. S. Story, services as patrolman, section 3 | 60 00 |
| | | N. F. Comstock, services as leveler | 80 00 |
| | | Rochester P. O. postage stamps, | 6 00 |
| | | Wash. F. Clark, superintending steam dredge, November | 104 00 |
| | | S. S. Story, Jr., services as patrolman, section 3 | 40 00 |
| | | W. U. Tel. Co., telegraphing | 4 18 |
| Dec. | 31. | W. F. Bement, clerk for Canal Appraisers | 30 00 |
| | | Rochester post-office, postage stamps, Commissioners' office, | 6 00 |
| | | H. V. B. Barker, services as assistant engineer | 126 50 |
| | | Geo. Arnoldt, services as assistant engineer | 30 00 |
| | | Byron Holley, services as assistant engineer | 214 50 |
| | | Carried forward | $1,017 18 |

| | | |
|---|---|---|
| | Brought forward | $1,017 18 |
| Dec. 31. | H. V. B. Barker, services as assistant engineer | 379 50 |
| | Geo. Arnoldt, services as assistant engineer | 126 00 |
| | F. F. Currey, services as assistant engineer | 154 00 |
| | Jno. Bisgood, services as draughtsman | 93 50 |
| | R. V. Arnoldt, services as draughtsman | 91 00 |
| | L. Gardner, services as leveler and surveyor | 105 00 |
| | A. W. Barrett, services as leveler | 80 00 |
| | R. B. McFarlin, services as rodman | 175 50 |
| | N. E. Storey, services as rodman, | 78 00 |
| | G. G. Russell, services as chainman | 237 00 |
| | H. V. B. Barker, Jr., services as ax-man | 30 00 |
| | Mark W. Cole, services as inspector | 236 50 |
| 1871. | | |
| Feb. 28. | Wash. F. Clark, superintending State steam dredge from December 1st to 12th | 40 00 |
| March 31. | H. V. B. Barker, services as assistant engineer | 280 50 |
| | Byron Holley, services as assistant engineer | 71 50 |
| | Geo. Arnoldt, services as assistant engineer | 54 00 |
| | H. V. B. Barker, services as assistant engineer | 214 50 |
| | Geo. Arnoldt, services as assistant engineer | 174 00 |
| | F. F. Currey, services as assistant engineer | 33 00 |
| | Byron Holley, services as assistant engineer | 22 00 |
| | Jno. Bisgood, services as draughtsman | 137 50 |
| | Leman Gardner, services as leveler and surveyor | 305 00 |
| | Alfred W. Barrett, services as leveler | 84 00 |
| | Richard V. Arnoldt, services as draughtsman | 122 50 |
| | Carried forward | $4,341 68 |

| | | | |
|---|---|---|---|
| | | Brought forward | $4,341 68 |
| March | 31. | Edward Rigney, services as chainman | 144 00 |
| | | H. V. B. Barker, Jr., services as ax-man | 44 00 |
| | | Alex. Gray, services as inspector | 168 00 |
| | | S. H. Oviatt | 120 00 |
| May | 31. | William Betts, commutation for farm bridge | 250 00 |
| | | E. M. Smith, P. M., postage stamps, Rochester | 6 00 |
| | | J. M. Hammond, building post and board fence | 43 50 |
| | | W. U. Tel. Co., telegraphing, May | 8 34 |
| | | Wm. Sickles, services as inspector | 82 50 |
| June | 30. | H. V. B. Barker, services as assistant engineer | 176 00 |
| | | Geo. Arnoldt, services as assistant engineer | 36 00 |
| | | H. V. B. Barker, services as assistant engineer | 324 50 |
| | | Geo. Arnoldt, services as assistant engineer | 102 00 |
| | | Byron Holley, services as assistant engineer | 99 00 |
| | | Jno. Bisgood, serv. as draughtsman | 115 50 |
| | | R. V. Arnoldt, services as draughtsman | 84 00 |
| | | Leman Gardner, services as leveler | 235 00 |
| | | A. W. Barrett, services as leveler | 108 00 |
| | | J. Spaulding, services as rodman | 120 00 |
| | | H. V. B. Barker, services as axman | 30 00 |
| | | S. H. Oviatt, services as inspector | 180 00 |
| | | E. M. Smith, P. M., postage stamps, commissioner's office, Rochester | 6 00 |
| July | 31. | R. H. Shankland & Son, publishing notice to contractors, | 50 75 |
| | | H. Harding, publishing notice to contractors | 50 75 |
| | | Carried forward | $6,925 52 |

| | | | |
|---|---|---|---|
| | Brought forward | $6,925 52 | |
| July 31. | Chas. F. Peck, publishing notice to contractors | 50 75 | |
| | Eddy & White, publishing notice to contractors | 50 75 | |
| | W. F. Clark, superintending steam dredge | 312 00 | |
| | A. Cole Cheney, telegraphing June and July | 4 00 | |
| Aug. 31. | H. Harding, publishing notice to contractors | 23 62 | |
| | B. H. Randolph, publishing notice to contractors | 23 62 | |
| | Rochester P. O., postage stamps for commissioner's office | 6 00 | |
| | W. U. Tel. Co., telegraphing during month | 3 62 | |
| Sept. 30. | Chas. F. Peck, publishing notice to contractors | 23 62 | |
| | Rochester P. O., rent of drawer, etc | 2 65 | |
| | W. U. Tel. Co., telegraphing, September | 4 62 | |
| | H. V. B. Barker, services as assistant engineer | 115 50 | |
| | Byron Holley, services as assistant engineer | 60 50 | |
| | Geo. Arnoldt, services as assistant engineer | 42 00 | |
| | H. V. B. Barker, services as assistant engineer | 390 50 | |
| | Geo. Arnoldt, services as assistant engineer | 114 00 | |
| | Byron Holley, services as assistant engineer | 27 50 | |
| | Leman Gardner, services as leveler and surveyor | 255 00 | |
| | R. V. Arnoldt, services as draughtsman | 60 00 | |
| | H. V. B. Barker, Jr., services as ax-man | 30 00 | |
| | William Sickles, services as inspector | 42 50 | |
| | | | $8,568 27 |

LAND DAMAGES.

| | | |
|---|---|---|
| Noah Sherwood, Cuba, Allegany Co | $1,116 66 | |
| Delos Benjamin, Hume, Allegany Co | 335 00 | |
| Jno. M. Hathaway, New Hudson, Allegany county | 396 00 | |
| Carried forward | $1,847 66 | $8,568 27 |

| | | |
|---|---|---|
| Brought forward | $1,847 66 | $8,568 27 |
| Roswell G. Bennett, Nunda, Livingston county | 2,777 00 | |
| Luther J. Reynolds, Cuba, Allegany Co. | 33 20 | |
| C. J. & L. J. Reynolds, Cuba, Allegany county | 263 00 | |
| Mary J. S. Ostrander, Hinsdale, Cattaraugus county | 177 00 | |
| | | 5,097 86 |

ENGINEER.

| | | |
|---|---|---|
| No. 256. Daniel Richmond | | 3,000 00 |

CONTRACTORS.

| | | |
|---|---|---|
| 281. Chas. E. Candee, repairs sec. No. 1, | $3,493 73 | |
| 282. Edward B. Van Dusen, protecting side bank on section No. 2 | 23,190 20 | |
| 284. Charles P. Skinner, raising Oil creek reservoir | 23,387 45 | |
| 293. Fayette Bristol, repairs sec. No. 3, | 6,695 79 | |
| 297. Edward A. Mills, iron bridge at Cuba | 1,448 45 | |
| 298. Edward W. Williams, completing the widening, deepening and improving the Genesee Valley canal from south end of guard lock at rapids to junction with Erie canal at Rochester | 47,986 50 | |
| 299. John Kiley, constructing iron bridge at State street, Olean | 760 55 | |
| 300. Ebenezer Kingsley, improving and securing outlet to Rockville reservoir | 822 04 | |
| 301. Hugh M. Severance, cleaning out channel of Baird's creek; also iron pipe culvert under Genesee Valley canal near aqueduct, and rebuilding guard bank in the town of Hume, etc. | 5,451 56 | |
| 302. Amos W. Morgan, constructing iron bridges on Atkinson and Adams streets, Rochester | 3,628 23 | |
| 303. Andrew Spaulding, constructing iron bridge near Blood's farm, near Portage | 1,531 33 | |
| | | 118,395 83 |
| Total amount expended by John D. Fay, Canal Commissioner, on the Genesee Valley canal | | $135,061 96 |
| Total amount expended on the Genesee Valley canal | | $135,061 96 |

(K.)

## ONEIDA LAKE CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Oneida Lake Canal.*

MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1870. Dec. 31. | H. Burlingame, services as fireman on State dredge | $21 25 | |
| 1871. July 31. | Connelly Bros., engineer's book of final accounts | 15 00 | |
| | | | $36 25 |

ENGINEER.

| | | | |
|---|---|---|---|
| No. 5. | Morris S. Kimball | | 3,600 00 |

CONTRACTORS.

| | | | |
|---|---|---|---|
| 6. | Jacob Schaub, reconstructing section No. 3 | $1,054 00 | |
| 7. | George D. Lord, reconstructing sections Nos. 2 and 5 | 34,814 20 | |
| 8. | Henry I. Mowry, reconstructing section 4 | 12,110 00 | |
| | | | 47,978 20 |
| | Total amount expended by William W. Wright, Canal Commissioner, on the Oneida Lake canal | | $51,614 45 |
| | Total amount expended on the Oneida Lake canal | | $51,614 45 |

(L.)

## ONEIDA RIVER IMPROVEMENT.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Oneida River Improvement.*

MISCELLANEOUS PAYMENTS.

| | | | |
|---|---|---|---|
| 1871. July 31. | I. C. Rice and A. McArthur, temporary damages, Clay, Onondaga county | | $150 00 |

LAND DAMAGES.

| | | | |
|---|---|---|---|
| | Chas. Pangburn, Clay, Onondaga county | $1,672 89 | |
| | Aaron Mogg, Clay, Onondaga county | 3,531 95 | |
| | Carried forward | $5,204 84 | $150 00 |

| | | |
|---|---|---|
| Brought forward | $5,204 84 | $150 00 |
| Thomas Ramsey, Clay, Onondaga county | 1,322 95 | |
| David Ingerson, Clay, Onondaga county | 1,158 70 | |
| Wm. A. Young, Clay, Onondaga county | 1,210 00 | |
| Catharine Saddlemire, Clay, Onondaga Co., | 1,649 13 | |
| R. & F. McKinley, Clay, Onondaga county, | 4,210 07 | |
| F. C. & A. A. Cushing, Clay, Onondaga Co., | 1,791 23 | |
| Newman J. Chaffee, Clay, Onondaga Co. | 3,597 78 | |
| Chas. W. Corneau and Nathan Soule, Clay, Onondaga County | 1,206 61 | |
| Joel Barber, Clay, Onondaga county | 1,266 29 | |
| Thomas Fayle, Clay, Onondaga county | 3,018 85 | |
| Ira Fancher, Jr., Clay, Onondaga county | 2,341 00 | |
| Harriet M. Emmons, Brewerton, Onondaga county | 255 00 | |
| Z. West and J. A. Page, Schrœppel, Oswego county | 387 20 | |
| Alanson A. Sumner, Clay, Onondaga Co. | 460 00 | |
| Alanson A. Sumner, Clay, Onondaga Co. | 1,298 33 | |
| Richard Schrœppel, Schrœppel, Oswego county | 1,635 32 | |
| Estate of Mary H. Schrœppel, Schrœppel, Oswego Co | 287 86 | |
| Orris C. Orman, Hastings, Oswego county, | 1,105 00 | |
| R. Patterson, trustee, Hastings, Oswego Co., | 181 50 | |
| Anthony Youmans, Schrœppel, Oswego county | 617 10 | |
| Wm. McMahon, Hastings, Oswego county, | 1,210 00 | |
| John W. Emmons, Brewerton, Onondaga county | 850 00 | |
| Edward N. Emmons, Cicero, Onondaga Co., | 170 00 | |
| James H. Hopper, Schrœppel, Oswego Co., | 133 10 | |
| Mary E. Hall, Schrœppel, Oswego county, | 290 40 | |
| Samuel Emmons, Brewerton, Onondaga Co., | 255 00 | |
| Norman Hopper, Schræppel, Oswego Co. | 36 30 | |
| | | 37,149 56 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Oneida River improvement | | $37,299 56 |
| Total amount expended on the Oneida River improvement | | $37,299 56 |

(M.)

## BALDWINSVILLE CANAL.

*Vouchers rendered by William W. Wright, Canal Commissioner, for payments by him on the Baldwinsville canal.*

| | | |
|---|---|---|
| 1871. | | |
| July 30. | Edward W. Tucker, temporary damages, Baldwinsville, Onondaga county..... | $350 00 |
| Total amount expended by William W. Wright, Canal Commissioner, on the Baldwinsville canal..... | | $350 00 |
| Total amount expended on the Baldwinsville canal... | | $350 00 |

(O.)

*STATEMENT showing the expenses of Engineering on the several Canals, paid by the Canal Commissioners, during the fiscal year ending 30th September,* 1871.

| NAMES OF COMMISSIONERS. | Assistants. | Leveler. | Surveyor and dr'ghtsman. | Rodman. | Tapeman and chainman. | Axman. | Flagman. | Superintending and inspect'g. | Clerk hire. | Fuel. | Light. | Office rent. | Post'ge and telegraph. | Stat'nery and printing. | Miscellaneous. | Total. | Grand total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERIE CANAL. | | | | | | | | | | | | | | | | | |
| George W. Chapman | $5,392 40 | $3,029 00 | $2,600 00 | $1,705 50 | $254 00 | $230 00 | ..... | $3,862 00 | $1,978 50 | $37 00 | ..... | $152 07 | $194 57 | $688 53 | $121 10 | $20,244 67 | |
| William W. Wright | 2,105 00 | 3,088 50 | 2,163 75 | 628 00 | 464 50 | 7 00 | ..... | 1,456 00 | 1,565 00 | ..... | ..... | ..... | ..... | ..... | 115 66 | 11,593 41 | |
| John D. Fay | 5,871 50 | 1,465 00 | 1,600 00 | 1,690 75 | 68 00 | 12 00 | $60 00 | 4,789 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15,556 25 | |
| | $13,368 90 | $7,582 50 | $6,363 75 | $4,024 25 | $786 50 | $249 00 | $60 00 | $10,107 00 | $3,543 50 | $37 00 | ..... | $152 07 | $194 57 | $688 53 | $236 76 | $47,394 33 | $47,394 33 |
| CHAMPLAIN CANAL. | | | | | | | | | | | | | | | | | |
| George W. Chapman | $2,214 00 | $589 00 | ..... | $59 50 | ..... | ..... | ..... | $2,122 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $4,984 50 | 4,984 50 |
| BLACK RIVER CANAL. | | | | | | | | | | | | | | | | | |
| George W. Chapman | $512 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $512 00 | 512 00 |
| OSWEGO CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | $1,252 00 | ..... | ..... | $1,062 00 | ..... | $65 00 | ..... | $1,432 00 | ..... | ..... | ..... | ..... | $1 88 | ..... | ..... | $3,812 88 | 3,812 88 |
| CAYUGA AND SENECA CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | $1,010 00 | ..... | ..... | $92 00 | ..... | ..... | ..... | $264 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $1,366 00 | 1,366 00 |
| CHEMUNG CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | $1,055 00 | $1,424 50 | ..... | $1,781 00 | ..... | ..... | ..... | $1,799 50 | ..... | $21 75 | ..... | $45 00 | $35 87 | $9 45 | $2 97 | $6,175 04 | 6,175 04 |
| CROOKED LAKE CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | $755 00 | ..... | ..... | $231 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $1,006 00 | 1,006 00 |
| CHENANGO CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | $2,330 00 | ..... | ..... | $631 00 | ..... | ..... | ..... | $984 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $3,945 00 | 3,945 00 |

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(N.)

# STATEMENT showing the expenses of the Engineer Corps on the several Canals during the fiscal year ending 30th September, 1871.

| NAMES OF ENGINEERS. | Salary. | Travel. | Assistants. | Leveler. | Surveyor and draughtsman. | Rodman. | Tapeman and chainman. | Axman. | Flagman. | Clerk hire. | Superintending and inspecting. | Labor. | Stationery. | Fuel. | Light. | Office rent. | Postage and telegraph. | Extra allowance by canal board. | Miscellaneous. | Total. | Grand total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ERIE CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Elhanon H. Crocker | $1,275 00 | $366 62 | $1,534 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $164 50 | ..... | ..... | ..... | $107 16 | ..... | $172 77 | $3,620 05 | |
| Morris S. Kimball | 660 00 | 210 00 | 915 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 200 91 | $45 65 | $5 60 | ..... | 232 44 | ..... | 280 28 | 2,489 88 | |
| Daniel Richmond | 1,600 00 | 425 70 | 1,743 90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 271 95 | 42 78 | 5 00 | $575 00 | 178 14 | ..... | 419 50 | 5,261 97 | |
| | $3,475 00 | $1,002 32 | $4,192 90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $637 36 | $88 43 | $10 60 | $575 00 | $517 74 | ..... | $872 55 | $11,371 90 | $11,371 90 |
| **SURVEY FOR RESERVOIRS — EXTRAORDINARY REPAIRS OF ERIE CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Elhanon H. Crocker | ..... | ..... | $678 50 | $223 00 | ..... | $120 00 | $156 00 | $106 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $73 00 | $1,356 75 | 1,356 75 |
| **CHAMPLAIN CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Elhanon H. Crocker, repairs | $750 00 | $245 14 | $870 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $18 59 | ..... | $52 95 | $1,936 68 | |
| improvement | ..... | ..... | 286 00 | ..... | ..... | $347 50 | ..... | ..... | ..... | $387 00 | ..... | ..... | ..... | ..... | ..... | $25 00 | 19 23 | ..... | 29 40 | 1,094 13 | |
| enlargement | ..... | ..... | 4,701 00 | $1,200 00 | $978 00 | 699 00 | $2,358 00 | $709 50 | $610 00 | 91 00 | ..... | $588 75 | $914 42 | $62 67 | $5 60 | 50 00 | ..... | ..... | 2,143 11 | 15,111 05 | |
| | $750 00 | $245 14 | $5,857 00 | $1,200 00 | $978 00 | $1 046 50 | $2,358 00 | $709 50 | $610 00 | $478 00 | ..... | $588 75 | $914 42 | $62 67 | $5 60 | $75 00 | $37 82 | ..... | $2,225 46 | $18,141 86 | 18,141 86 |
| **BLACK RIVER CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Elhanon H. Crocker | $375 00 | $71 04 | $370 96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $817 00 | 817 00 |
| **OSWEGO CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball | $845 00 | $346 96 | $256 32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $18 10 | $6 60 | ..... | $25 00 | $28 87 | ..... | ..... | $1,528 85 | 1,528 85 |
| **CAYUGA AND SENECA CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball | $155 00 | $75 00 | $389 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $619 00 | 619 00 |
| **CHEMUNG CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball | $425 00 | $162 00 | $449 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $35 14 | ..... | ..... | ..... | $19 54 | ..... | ..... | $1,090 68 | 1,090 68 |
| **CROOKED LAKE CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball | $200 00 | $67 00 | $127 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $14 61 | ..... | ..... | ..... | ..... | ..... | ..... | $408 61 | 408 61 |
| **CHENANGO CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball, repairs | $175 00 | $80 00 | $420 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $42 86 | ..... | ..... | ..... | $10 90 | ..... | ..... | $728 76 | |
| Charles L. McAlpine, extension | 2,000 00 | 417 90 | 2,425 50 | $1,543 50 | $1,487 00 | $944 00 | $1,394 25 | $360 00 | $420 75 | ..... | $1,354 00 | $35 75 | 122 12 | $82 18 | $50 80 | $354 00 | 71 04 | ..... | $55 24 | 13,118 03 | |
| | $2,175 00 | $497 90 | $2,845 50 | $1,543 50 | $1,487 00 | $944 00 | $1,394 25 | $360 00 | $420 75 | ..... | $1,354 00 | $35 75 | $164 98 | $82 18 | $50 80 | $354 00 | $81 94 | ..... | $55 24 | $13,846 79 | 13,846 79 |
| **ONEIDA LAKE CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball, reconstruction | ..... | ..... | ..... | $1,408 50 | ..... | $1,095 50 | ..... | $782 50 | ..... | ..... | $276 50 | ..... | $34 78 | $29 27 | $1 55 | $50 00 | $9 70 | ..... | $0 75 | $3,689 05 | 3,689 05 |
| **OTISCO LAKE.** | | | | | | | | | | | | | | | | | | | | | |
| Morris S. Kimball, survey | ..... | ..... | $1,100 00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $1,100 00 | 1,100 00 |
| **GENESEE VALLEY CANAL.** | | | | | | | | | | | | | | | | | | | | | |
| Daniel Richmond | $800 00 | $220 20 | $827 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $132 56 | $14 25 | $0 20 | $270 00 | $97 02 | ..... | $176 22 | $2,537 69 | 2,537 69 |
| Paid by engineers | $9,200 00 | $2,689 56 | $17,093 42 | $4,375 00 | $2,465 00 | $3,206 00 | $3,908 25 | $1,958 25 | $1,030 75 | $478 00 | $1,630 50 | $624 50 | $1,951 95 | $285 40 | $68 75 | $1,349 00 | $792 63 | ..... | $3,403 22 | $56,508 18 | 56,508 18 |
| Paid by Canal Commissioners (see table) | ..... | ..... | 25,884 40 | 10,818 00 | 7,067 75 | 8,254 25 | 1,167 50 | 448 00 | 60 00 | 3,543 50 | 17,538 00 | ..... | 697 98 | 58 75 | ..... | 197 07 | 232 32 | ..... | 254 73 | 76,252 25 | 76,252 25 |
| Total by engineers and commissioners | $9,200 00 | $2,689 56 | $42,977 82 | $15,223 00 | $9,532 75 | $11,460 25 | $5,075 75 | $2,406 25 | $1,090 75 | $4,021 50 | $19,168 50 | $624 50 | $2,649 93 | $342 15 | $68 75 | $1,546 07 | $1,024 95 | ..... | $3,657 95 | $132,760 43 | $132,760 43 |

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# STATEMENT showing the expenditures for repairs by the Superintendents, the Canal Commissioners, and the amounts paid to repair contractors on each of the State canals, from the 30th of September, 1870, to the 30th of September, 1871.

## ERIE AND CHAMPLAIN CANALS.

| NAMES. | No. of section. | EXTENT OF LINES. From. | To | Miles. | Paid to contractors for repairs. | EXPENDED BY SUPERINTENDENTS. Retained for services. | Repairs. | Totals. | Total on each section and on each canal. | Average cost per mile. |
|---|---|---|---|---|---|---|---|---|---|---|
| Wm. C. Stephens, contractor | 1 | Albany, and north upon the Champlain canal, from the new junction, near West Troy, to the foot of the guard lock on the south side of the Mohawk river, including the sloop lock and dam across the Hudson river | The north end of the lower Mohawk aqueduct | 19 | $169,702 83 | | | | $170,951 04 | $8,997 42 |
| Wm. J. Wheeler, superintendent | | do do do | do do do | | | $1,000 00 | $248 21 | $1,248 21 | | |
| Samuel Donaldson, contractor | 2 | The north end of the lower Mohawk aqueduct | The head of lock No. 27 | 30 | 18,636 93 | | | | 62,669 11 | 2,088 97 |
| Benjamin Van Vranken, superintend't, | | do do | do do | | | 1,200 00 | 42,832 18 | 44,032 18 | | |
| James Shanahan, superintendent | 3 | The head of lock No. 27 | The foot of lock No. 34, including the dam, bulk-head and feeder, from Rocky Rift to Mindenville | 35 | | 450 00 | 23,888 01 | 24,338 01 | 63,142 46 | 1,804 07 |
| Daniel S. Read, superintendent | | do do | do do do | | | 750 00 | 38,054 45 | 38,804 45 | | |
| Daniel M. Golden, superintendent | 4 | The foot of lock No. 34 | The head of lock No. 45 | 22 | | 1,200 00 | 50,514 65 | 51,714 65 | 51,714 65 | 2,350 66 |
| Philip H. Hosch, contractor | 5 | The head of lock No. 45 | The east bank of the Oneida Lake canal at Higginsville | 34 | 5,883 51 | | | | | |
| Giles Hawley, superintendent | | do do | do do do | | | 400 00 | 16,302 19 | 16,702 19 | 48,123 82 | 1,356 58 |
| Charles Graham, superintendent | | do do | do do do | | | 800 00 | 24,738 12 | 25,538 12 | | |
| William Austin, contractor | 7 | The head of the Oneida Lake canal at Higginsville | The Limestone feeder | 27 | 6,049 30 | | | | | |
| E. T. Frederick, superintendent | | do do do | do | | | 400 00 | 5,178 76 | 5,578 76 | 21,797 23 | 807 30 |
| Seymour Harvey, superintendent | | do do do | do | | | 800 00 | 9,369 17 | 10,169 17 | | |
| Aaron G. Fish, contractor | 8 | The Limestone creek feeder | The foot of lock No. 50, including Butternut and Limestone creek feeders | 13 | 19,275 00 | | | | 20,275 00 | 1,559 61 |
| Abram Scouten, superintendent | | do do | do do do | | | 1,000 00 | | 1,000 00 | | |
| Amos W. Chase, contractor | 9 | The foot of lock No. 50 | The east line of the county of Wayne, including the Skaneateles Lake reservoir and feeder and Nine Mile creek feeder, | 34 | 6,629 95 | | | | | |
| William Jones, superintendent | | do do | do do do | | | 400 00 | 10,792 83 | 11,192 83 | | |
| T. H. Houghtaling, superintendent | | do do | do do do | | | 726 67 | 33,686 90 | 34,413 57 | 54,794 49 | 1,611 31 |
| S. D. Keller, superintendent | | do do | do do do | | | 73 33 | 2,484 81 | 2,558 14 | | |
| Benjamin Butler, contractor | 10 | The east line of Wayne county | The east line of Monroe county | 38 | 36,408 33 | | | | 37,408 33 | 979 17 |
| Wm. F. Ashley, superintendent | | do do | do do | | | 1,000 00 | | 1,000 00 | | |
| V. F. Whitmore | 11 | The east line of Monroe county | The west end of section No. 284, in the village of Brockport, | 40 | 88,500 00 | | | | 89,500 00 | 2,237 50 |
| Matthew Rigney, superintendent | | do do | do do do | | | 1,000 00 | | 1,000 00 | | |
| Lewis M. Loss, superintendent | 12 | The west end of section No. 284, in the village of Brockport, | The west end of Orleans county | 30 | | 1,200 00 | 23,718 51 | 24,918 51 | 24,918 51 | 830 62 |
| William McRae | 13 | The west end of Orleans county | And including Pickard's bridge over the Tonawanda creek | 24 | | 1,200 00 | 36,893 30 | 38,093 30 | 38,093 30 | 1,587 22 |
| George D. Lord, contractor | 14 | But not including Pickard's bridge over Tonawanda creek | And including the Erie and Ohio basins and slips in the city of Buffalo | 21 | 51,333 43 | | | | 52,333 43 | 2,492 07 |
| James Mooney, superintendent | | do do do | do do do | | | 1,000 00 | | 1,000 00 | | |
| James A. Wilson, contractor | 1 | The foot of guard-lock on the south side of Mohawk river | The foot of the first lock north of Saratoga dam | 24 | 19,454 74 | | | | | |
| Benjamin F. Wells, contractor | | do do do | do do do | | 7,717 50 | | | | 76,307 02 | 3,179 46 |
| Geo. W. Neilson, superintendent | | do do do | do do do | | | 1,200 00 | 47,934 78 | 49,134 78 | | |
| Geo. Satterlee, superintendent | 2 | The first lock north of Saratoga dam | Dunham's basin, including the waste-weir at that place and Glen's Falls feeder | 24 | | 1,200 00 | 51,206 82 | 52,406 82 | 52,406 82 | 2,183 20 |
| George Northup, superintendent | 3 | Dunham's basin | Lake Champlain | 20 | | 1,200 00 | 33,035 98 | 34,235 98 | 34,235 98 | 1,716 19 |
| | | | | 435 | $429,591 52 | $18,200 00 | $450,879 67 | $469,079 67 | $898,671 19 | 2,065 91 |

## OSWEGO CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| George Corkings, contractor | 1 | Syracuse | Three River Point | 15 | $19,810 33 | | | | $20,560 33 | 1,370 69 |
| Ira Betts, superintendent | | do | do | | | $250 00 | $500 00 | $750 00 | | |
| A. C. Belden, contractor | 2 | Three River Point | Oswego | 23 | 30,411 66 | | | | 31,147 44 | 1,354 24 |
| Ira Betts, superintendent | | do | do | | | 250 00 | 485 78 | 735 78 | | |
| | | | | 38 | $50,221 99 | $500 00 | $985 78 | $1,485 78 | $51,707 77 | 1,360 71 |

## CAYUGA AND SENECA CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| John Haggerty, superintendent | | Erie canal, at Montezuma | Geneva, including the lateral canal to East Cayuga village | 22 | | $1,200 00 | $28,810 32 | $30,010 32 | $30,010 32 | 1,364 10 |

## CHEMUNG CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| John Leahey, contractor | | Elmira | Knoxville | 39 | $87,040 86 | | | | | |
| Silas Haight, superintendent | | do | do | | | $1,000 00 | $3,184 74 | $4,184 74 | $91,225 60 | 2,338 99 |

## CROOKED LAKE CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| O. C. Knapp, contractor | | Penn Yan | Dresden | 8 | $8,298 96 | | | | | |
| O. G. Shearman, superintendent | | do | do | | | $800 00 | $65,359 68 | $66,159 68 | $74,458 64 | 9,307 33 |

## CHENANGO CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| James J. Belden, contractor | 1 | The junction at Utica | The foot of lock No. 81, all the reservoirs, West Branch, Bradley Brook and Middle West Branch feeders | 31 | $18,699 79 | | | | | |
| Joseph W. Forward, superintendent | | do do | do do do | | | $1,200 00 | $74,562 00 | $75,762 00 | $94,461 79 | 3,047 12 |
| John Hull | 2 | The foot of lock No. 81 | And including the first bridge north of the feeder below Oxford | 34 | 10,676 21 | | | | | |
| Charles W. Olendorf, superintendent | | do do | do do do | | | 1,000 00 | 180 00 | 1,180 00 | 11,856 21 | 348 71 |
| Justus B. Willmot, superintendent | 3 | The first bridge north of the feeder below Oxford | The southern termination | 32 | | 1,200 00 | 14,489 69 | 15,689 69 | 15,689 69 | |
| | | | | 97 | $29,376 00 | $3,400 00 | $89,231 69 | $92,631 69 | $122,007 69 | 1,257 80 |

## GENESEE VALLEY CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Charles E. Candee, contractor | 1 | The Erie canal | The junction at the Shaker Settlement, including the side-cut extending from said settlement to Dansville | 52 | $3,493 73 | | | | | |
| John H. Jones, superintendent | | do | do do do | | | $400 00 | $22,920 59 | $23,320 59 | $70,297 05 | 1,351 86 |
| Frederick M. Mills, superintendent | | do | do do do | | | 800 00 | 42,682 73 | 43,482 73 | | |
| James Lemen, superintendent | 2 | The Shaker Settlement | The south bank of Wiscoy creek feeder, at Mixville Landing, | 24 | | 1,200 00 | 47,734 30 | 48,934 30 | 48,934 30 | 2,038 93 |
| Fayette Bristol, contractor | 3 | The south bank of Wiscoy creek feeder at Mixville Landing, | The west line of Allegany county, including the structures connected therewith | 31 | 6,695 79 | | | | | |
| Wm. A. Kirkpatrick, superintendent | | do do do | do do do | | | 1,200 00 | 21,692 49 | 22,892 49 | 29,588 28 | 954 46 |
| John L. Adams, superintendent | 4 | The west line of Allegany county | The Allegany river at Mill Grove pond, including all the structures connected therewith | 20 | | 1,200 00 | 6,936 76 | 8,136 76 | 8,136 76 | 406 83 |
| | | | | 127 | $10,189 52 | $4,800 00 | $141,966 87 | $146,766 87 | $156,956 39 | 1,235 87 |

## BLACK RIVER CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| John Cole, superintendent | 1 | The Erie canal at Rome | A point one thousand feet north of the head of lock No. 70, including all the side-cuts, structures, feeders, ponds and reservoirs connected therewith | 23 | | $1,200 00 | $33,636 82 | $34,836 82 | $34,836 82 | 1,514 64 |
| R. Sanford Miller, superintendent | 2 | A point one thousand feet north of lock No. 70 | The foot of the lock on the Black river, below lock No. 109, including the dam and pond above, at Forest Port, the Woodhull North and South Branch reservoirs, and all the side-cuts, structures, feeders, ponds and reservoirs connected therewith | 29 | | 1,200 00 | 30,004 85 | 31,204 85 | 31,204 85 | 1,076 03 |
| Israel G. Wood, contractors | 3 | Lyon's Falls | Carthage, including all the dams, waste-weirs, ditches and other structures connected therewith and appertaining thereto | 42 | $11,679 48 | | | | | |
| Frank B. Johnson, superintendent | | do | do do do | | | 1,200 00 | 10,024 42 | 11,224 42 | 22,903 90 | 545 33 |
| | | | | 94 | $11,679 48 | $3,600 00 | $73,666 09 | $77,266 09 | $88,945 57 | 946 23 |

## BALDWINSVILLE CANAL.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ira Betts, superintendent | | | | 12 | | $500 00 | $3,100 00 | $3,600 00 | $3,600 00 | 300 00 |
| | | | | 872 | $626,398 33 | $34,000 00 | $857,184 84 | $891,184 84 | $1,517,583 17 | 1,740 34 |

Add payments on account of repairs by Canal Commissioners, exclusive of payments to contractors for repairs, viz.:

| | | |
|---|---|---|
| By George W. Chapman, Erie canal | $86,026 20 | |
| William W. Wright, do | 31,202 50 | |
| John D. Fay, do | 28,037 54 | |
| | | $145,266 24 |
| George W. Chapman, Champlain canal | | 70,642 37 |
| William W. Wright, Oswego canal | | 8,201 15 |
| William W. Wright, Cayuga and Seneca canal | | 7,542 77 |
| William W. Wright, Chemung canal | | 3,890 09 |
| William W. Wright, Crooked Lake canal | | 929 32 |
| William W. Wright, Chenango canal | | 66,012 16 |
| George W. Chapman, Black River canal | | 18,133 19 |
| John D. Fay, Genesee Valley canal | | 4,526 67 |
| | | $325,146 96 |
| Total amount expended for ordinary repairs from 1st Oct., 1870, to 30th Sept., 1871 | | $1,842,730 13 |

Add payments on account of extraordinary repairs by Canal Commissioners, viz.:

| | | |
|---|---|---|
| By George W. Chapman, Eastern Division | $100,779 72 | |
| William W. Wright, Middle Division | 224,985 85 | |
| John D. Fay, Western Division | 187,647 61 | |
| | | 1,210,412 18 |
| Total amount expended for ordinary and extraordinary repairs from 1st Oct., 1870, to 30th Sept., 1871 | | $3,053,142 31 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ONEIDA LAKE CANAL. | | | | | | | | | | | | | | | | | |
| William W. Wright | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | $15 00 | $15 00 | 15 00 |
| GENESEE VALLEY CANAL. | | | | | | | | | | | | | | | | | |
| John D. Fay | $3,367 50 | $1,252 00 | $704 00 | $373 50 | $381 00 | $134 00 | ..... | $829 50 | ..... | ..... | ..... | ..... | ..... | ..... | $7,041 50 | 7,041 50 |
| | $25,884 40 | $10,848 00 | $7,067 75 | $8,254 25 | $1,167 50 | $448 00 | $60 00 | $17,538 00 | $3,543 50 | $58 75 | ..... | $197 07 | $232 32 | $697 98 | $254 73 | $76,252 25 | $76,252 25 |

## (P.)

*STATEMENT showing the expenses of the Engineering Corps from* 1862 *to* 1871, *both inclusive.*

| CANALS. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. | 1870. | 1871. |
|---|---|---|---|---|---|---|---|---|---|---|
| Erie canal enlargement | $34,041 32 | $5,190 91 | $1,375 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Repairs of Erie canal | ..... | 11,556 51 | 23,713 90 | $22,917 02 | $17,374 16 | $16,378 01 | $19,206 02 | $36,001 51 | $58,313 45 | $58,766 23 |
| Champlain canal | 5,976 34 | 4,424 03 | 2,646 16 | 5,543 83 | 11,628 92 | 20,339 20 | 15,760 00 | 15,096 64 | 26,185 60 | 23,126 36 |
| Oswego canal | 5,843 01 | 2,302 55 | 2,634 67 | 958 09 | 1,593 61 | 1,927 89 | 3,872 25 | 2,866 22 | 3,055 39 | 5,341 73 |
| Cayuga and Seneca canal | 4,727 87 | 2,913 08 | 1,458 93 | 329 83 | 549 80 | 464 92 | 402 80 | 509 77 | 2,940 29 | 1,985 00 |
| Chemung canal | 3,869 89 | 1,837 04 | 4,136 27 | 2,269 58 | 518 12 | 1,550 05 | 3,386 88 | 3,065 63 | 2,479 89 | 7,265 72 |
| Crooked Lake canal | 137 68 | ..... | 1,135 00 | 284 28 | 241 08 | 183 96 | 612 98 | 809 62 | 295 70 | 1,414 61 |
| Chenango canal | 1,860 54 | 2,332 11 | 2,454 82 | 10,194 07 | 14,002 06 | 26,186 09 | 16,177 82 | 20,061 82 | 25,863 17 | 17,791 79 |
| Bl'k Riv. canal and feeder | 3,625 98 | 2,172 16 | 360 70 | 1,275 79 | 2,068 97 | 2,568 23 | 2,993 49 | 3,710 60 | 4,104 64 | 1,329 00 |
| Genesee Valley canal | 3,946 76 | 3,017 67 | 2,703 02 | 3,532 51 | 4,875 18 | 3,624 07 | 4,816 53 | 20,555 03 | 15,688 57 | 9,579 19 |
| Survey of locks | ..... | 8,162 34 | 9,966 73 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Oneida Lake canal | ..... | ..... | ..... | ..... | ..... | ..... | 5,720 29 | 7,021 67 | 5,231 39 | 3,704 05 |
| Survey of Otisco Lake | ..... | ..... | ..... | ..... | ..... | ..... | 623 40 | 1,665 63 | 1,580 00 | 1,100 00 |
| Survey for reservoirs | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,356 75 |
| | $64,029 39 | $43,908 40 | $52,585 31 | $47,305 00 | $52,851 90 | $73,222 42 | $73,572 46 | $111,364 14 | $145,738 49 | $132,760 43 |

(R.)

*A comparative statement of expenditures for repairs by superintendents, and payments to repair contractors, on all the canals of the State, for the years ending the 30th September, 1870 and 1871.*

| CANALS. | Sec. | Miles. | 1870. | 1871. | More in 1871. | Less in 1871. |
|---|---|---|---|---|---|---|
| Erie canal | 1 | 19 | $122,709 93 | $170,951 04 | $48,241 11 | ..... |
| Erie canal | 2 | 30 | 105,549 85 | 62,669 11 | ..... | $42,880 74 |
| Erie canal | 3 | 33 | 166,211 35 | 63,142 46 | ..... | 103,068 89 |
| Erie canal | 4 | 24 | 63,683 82 | 51,714 65 | ..... | 11,969 17 |
| Erie canal | 5 | 34 | 70,799 61 | 48,123 82 | ..... | 22,675 79 |
| Erie canal | 7 | 27 | 33,692 47 | 21,797 23 | ..... | 11,895 24 |
| Erie canal | 8 | 15 | 14,763 82 | 20,275 00 | 5,511 18 | ..... |
| Erie canal | 9 | 32 | 46,775 04 | 54,794 49 | 8,019 45 | ..... |
| Erie canal | 10 | 38 | 27,774 97 | 37,408 33 | 9,633 36 | ..... |
| Erie canal | 11 | 40 | 35,256 25 | 89,500 00 | 54,243 75 | ..... |
| Erie canal | 12 | 30 | 36,546 76 | 24,918 51 | ..... | 11,628 25 |
| Erie canal | 13 | 24 | 69,558 00 | 38,093 30 | ..... | 31,464 70 |
| Erie canal | 14 | 21 | 39,232 18 | 52,333 43 | 13,101 25 | ..... |
| | | 367 | $832,554 05 | $735,721 37 | $138,750 11 | $235,582 78 |
| Champlain canal | 1 | 24 | $117,011 94 | $76,307 02 | ..... | $40,704 92 |
| Champlain canal | 2 | 24 | 85,727 22 | 52,406 82 | ..... | 33,320 40 |
| Champlain canal | 3 | 20 | 49,085 46 | 34,235 98 | ..... | 14,849 48 |
| | | 68 | $251,824 62 | $162,949 82 | ..... | $88,874 80 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Oswego canal | 1 | 15 | $15,596 40 | $20,560 33 | $4,963 93 | ..... |
| Oswego canal | 2 | 23 | 23,549 92 | 31,147 44 | 7,597 52 | ..... |
| | | 38 | $39,146 32 | $51,707 77 | $12,561 45 | ..... |
| Cayuga and Seneca canal | .. | 22 | $40,227 04 | $30,010 32 | ..... | $10,116 72 |
| Chemung canal and feeder | .. | 39 | $29,460 03 | $91,225 60 | $61,765 57 | ..... |
| Crooked Lake canal | .. | 8 | $6,903 12 | $74,458 64 | $67,555 52 | ..... |
| Chenango canal | 1 | 31 | $54,410 74 | $94,461 79 | $40,051 05 | ..... |
| Chenango canal | 2 | 34 | 10,497 54 | 11,856 21 | 1,358 67 | ..... |
| Chenango canal | 3 | 32 | 21,711 38 | 15,689 69 | ..... | $6,021 69 |
| | | 97 | $86,619 66 | $122,007 69 | $41,409 72 | $6,021 69 |
| Genesee Valley canal | 1 | 52 | $66,682 36 | $70,297 05 | $3,614 69 | ..... |
| Genesee Valley canal | 2 | 24 | 87,043 75 | 48,934 30 | ..... | $38,109 45 |
| Genesee Valley canal | 3 | 31 | 45,463 98 | 29,588 28 | ..... | 15,875 70 |
| Genesee Valley canal | 4 | 20 | 16,045 95 | 8,136 76 | ..... | 7,909 19 |
| | | 127 | $215,236 04 | $156,956 39 | $3,614 69 | $61,894 34 |
| Black River canal | 1 | 23 | $67,479 91 | $34,836 82 | ..... | $32,643 09 |
| Black River canal | 2 | 29 | 134,107 67 | 31,204 85 | ..... | 102,902 82 |
| Black River canal | 3 | 42 | 15,799 04 | 22,903 90 | $7,104 86 | ..... |
| | | 94 | $217,386 62 | $88,945 57 | $7,104 86 | $135,545 91 |
| Baldwinsville canal | .. | 12 | ..... | $3,600 00 | $3,600 00 | ..... |

R—(*Continued*).

RECAPITULATION.

| CANALS. | Miles. | 1870. | 1871. | More in 1871. | Less in 1871. |
|---|---|---|---|---|---|
| Erie canal | 367 | $832,554 05 | $735,721 37 | ..... | $96,832 68 |
| Champlain canal | 68 | 251,824 62 | 162,949 82 | ..... | 88,874 80 |
| Oswego canal | 38 | 39,146 32 | 51,707 77 | $12,561 45 | ..... |
| Cayuga and Seneca canal | 22 | 40,227 04 | 30,010 32 | ..... | 10,216 72 |
| Chemung canal | 39 | 29,460 03 | 91,225 60 | 61,765 57 | ..... |
| Crooked Lake canal | 8 | 6,903 12 | 74,458 64 | 67,555 52 | ..... |
| Chenango canal | 97 | 86,619 66 | 122,007 69 | 35,388 03 | ..... |
| Genesee Valley canal | 127 | 215,236 04 | 156,956 39 | ..... | 58,279 65 |
| Black River canal | 94 | 217,386 62 | 88,945 57 | ..... | 128,441 05 |
| Baldwinsville canal | 12 | ..... | 3,600 00 | 3,600 00 | ..... |
| | 872 | $1,719,357 50 | $1,517,583 17 | $180,870 57 | $382,644 90 |
| | | 1,517,583 17 | | | 180,870 57 |
| Excess of 1870 over 1871 | .... | $201,774 33 | ..... | ..... | $201,774 33 |

(S.)

*A comparative statement of the cost of repairs of breaches paid by the State for the years* 1870 *and* 1871.

| CANALS. | Sections. | 1870. | 1871. | More in 1871. | Less in 1871. |
|---|---|---|---|---|---|
| Erie canal | 2 | $35,491 40 | ..... | ..... | $35,491 40 |
| Erie canal | 3 | 108,793 04 | $2,713 83 | ..... | 106,079 21 |
| Erie canal | 5 | 5,395 23 | 1,150 73 | ..... | 4,244 50 |
| Erie canal | 7 | 1,591 33 | ..... | ..... | 1,591 33 |
| Erie canal | 9 | 13,265 49 | 540 96 | ..... | 12,724 53 |
| Erie canal | 11 | ..... | 45,000 00 | $45,000 00 | ..... |
| Champlain canal | 1 | 62,643 48 | 9,142 30 | ..... | 53,501 18 |
| Champlain canal | 2 | 1,168 57 | 3,909 80 | 2,741 23 | ..... |
| Chemung canal | .. | 62,226 60 | 64,264 26 | 2,037 66 | ..... |
| Chenango canal | 1 | 25,721 58 | 10,665 87 | ..... | 15,055 71 |
| Genesee Valley canal | 1 | 213 95 | ..... | ..... | 213 95 |
| Genesee Valley canal | 2 | 1,256 76 | 156 06 | ..... | 1,100 70 |
| Genesee Valley canal | 3 | 3,000 00 | ..... | ..... | 3,000 00 |
| Black River canal | 1 | 7,725 69 | ..... | ..... | 7,725 69 |
| Black River canal | 2 | 79,633 81 | ..... | ..... | 79,633 81 |
| | | $408,126 93 | $137,543 81 | $49,778 89 | $320,362 01 |
| | | 137,543 81 | | | 49,778 89 |
| Excess of 1870 over '71, | | $270,583 12 | | | $270,583 12 |

RECAPITULATION.

| DIVISIONS. | 1870. | 1871. |
|---|---|---|
| Eastern Division | $300,851 22 | $16,916 66 |
| Middle Division | 102,805 00 | 75,471 09 |
| Western Division | 4,470 71 | 45,156 81 |
| | $408,126 93 | $137,543 81 |
| | 137,543 81 | |
| Excess of 1870 over 1871 | $270,583 12 | |

(T.)

*A comparative statement of expenditures by superintendents and Canal Commissioners for ordinary repairs, including payments to repair contractors, for the years ending 30th September,* 1870 *and* 1871.

| CANALS. | Commissioner. | Miles. | 1870. | 1871. | More in 1871. | Less in 1871. |
|---|---|---|---|---|---|---|
| Erie, sections 1, 2, 3, 4, 5, | G. W. Chapman .. | 140 | $635,684 45 | $482,627 28 | ..... | $153,057 17 |
| Erie, sections 7, 8, 9..... | W. W. Wright.... | 74 | 113,031 52 | 128,069 22 | $15,037 70 | ..... |
| Erie, secs. 10, 11, 12, 13, 14, | J. D. Fay ..... | 153 | 264,842 80 | 270,291 11 | 5,448 31 | ..... |
| Total Erie ..... | ..... | 367 | $1,013,558 77 | $880,987 61 | $20,486 01 | $153,057 17 |
| Champlain..... | G. W. Chapman... | 68 | 338,140 40 | 233,592 19 | ..... | 104,548 21 |
| Oswego ..... | W. W. Wright.... | 38 | 53,564 78 | 59,911 92 | 6,347 14 | ..... |
| Cayuga and Seneca ..... | W. W. Wright.... | 22 | 51,707 82 | 37,553 09 | ..... | 14,154 73 |
| Chemung ..... | W. W. Wright.... | 39 | 53,427 99 | 95,115 69 | 41,687 70 | ..... |
| Crooked Lake ..... | W. W. Wright.... | 8 | 6,903 12 | 75,387 96 | 68,484 84 | ..... |
| Chenango..... | W. W. Wright.... | 97 | 142,659 90 | 188,019 85 | 45,359 95 | ..... |
| Genesee Valley..... | J. D. Fay ..... | 127 | 233,064 44 | 161,483 06 | ..... | 71,581 38 |
| Oneida Lake ..... | W. W. Wright.... | 6 | ..... | ..... | ..... | ..... |
| Black River..... | G. W. Chapman... | 94 | 241,785 65 | 107,078 76 | ..... | 134,706 89 |
| Baldwinsville ..... | W. W. Wright.... | 12 | ..... | 3,600 00 | 3,600 00 | ..... |
| | | 872 | $2,134,812 87 | $1,842,730 13 | $185,965 64 | $478,048 38 |
| | | | 1,842,730 13 | | | 185,965 64 |
| Excess of 1870 over 1871, | ..... | .... | $292,082 74 | ..... | ..... | $292,082 74 |

(U.)

*STATEMENT showing the average cost per mile of the repairs of each division of the Erie canal, by the superintendents, from* 1835 *to* 1871, *including payments to repair contractors, from* 1854 *to* 1871, *and expenditures by resident engineers from* 1857 *to* 1861.

| YEARS. | No. 1.—Eastern division, from Albany to Higgins, 136 miles. | No. 2.—Middle division, from Higgins to Montezuma, 69 miles. | No. 3.—Western division, from Montezuma to Buffalo, 159 miles. |
|---|---|---|---|
| | Average per mile. | Average per mile. | Average per mile. |
| 1835 | $1,043 06 | $704 44 | $867 35 |
| 1836 | 773 56 | 455 10 | 629 00 |
| 1837 | 845 42 | 479 62 | 853 61 |
| 1838 | 732 32 | 438 61 | 1,051 69 |
| 1839 | 623 08 | 394 09 | 640 09 |
| 1840 | 1,021 72 | 441 26 | 684 65 |
| 1841 | 686 20 | 482 34 | 448 74 |
| 1842 | 981 08 | 612 58 | 580 18 |
| 1843 | 908 32 | 367 48 | 715 07 |
| 1844 | 1,118 88 | 433 94 | 913 69 |
| 1845 | 983 26 | 650 06 | 949 88 |
| 1846 | 934 35 | 621 41 | 928 93 |
| 1847 | 961 88 | 667 40 | 991 14 |
| 1848 | 1,417 06 | 993 26 | 1,071 16 |
| 1849 | 1,094 33 | 621 42 | 939 83 |
| 1850 | 1,284 17 | 527 69 | 1,238 84 |
| 1851 | 1,514 98 | 514 62 | 799 89 |
| 1852 | 2,237 34 | 709 13 | 891 91 |
| 1853 | 1,878 67 | 691 95 | 1,114 77 |
| 1854 | 2,038 35 | 899 38 | 1,135 31 |
| 1855 | 2,043 06 | 993 86 | 781 32 |
| 1856 | 1,547 22 | 433 42 | 976 95 |
| 1857 | 1,128 36 | 607 07 | 1,138 44 |
| 1858 | 1,515 63 | 614 91 | 965 89 |
| 1859 | 1,586 36 | 360 06 | 888 56 |
| 1860 | 787 96 | 259 04 | 284 33 |
| 1861 | 737 71 | 282 65 | 353 00 |
| 1862 | 779 15 | 334 51 | 396 92 |
| 1863 | 1,063 36 | 384 80 | 609 90 |
| 1864 | 2,024 45 | 761 48 | 727 11 |
| 1865 | 2,738 71 | 803 41 | 1,722 68 |
| 1866 | 2,199 00 | 629 18 | 1,329 84 |
| 1867 | 1,845 91 | 344 01 | 884 53 |
| 1868 | 1,419 21 | 307 26 | 943 45 |
| 1869 | 1,706 08 | 390 47 | 1,257 18 |
| 1870 | 3,778 24 | 1,286 91 | 1,361 88 |
| 1871 | 2,832 87 | 1,309 01 | 1,583 30 |

(V.)

*STATEMENT showing the amount expended by the superintendents of repairs, and the average cost per mile on each and all of the canals from* 1826 *to* 1871 (*except expenditures in* 1854, *under contesting superintendents*), *including expenditures by resident engineers from* 1857 *to* 1861, *and payments to repair contractors from* 1855 *to* 1871, *both inclusive.*

| YEAR. | Erie and Champlain Canals. | | Oswego Canal. | | Cayuga and Seneca Canal. | |
|---|---|---|---|---|---|---|
| | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. |
| 1826 | $182,162 | $414 | ..... | ..... | ..... | ..... |
| 1827 | 232,472 | 528 | ..... | ..... | ..... | ..... |
| 1828 | 225,846 | 513 | $8,637 | $289 | ..... | ..... |
| 1829 | 232,931 | 529 | 13,003 | 361 | $8,449 | $386 |
| 1830 | 202,968 | 461 | 12,590 | 349 | 5,447 | 247 |
| 1831 | 168,240 | 382 | 9,170 | 254 | 3,363 | 152 |
| 1832 | 327,302 | 743 | 12,259 | 340 | 5,356 | 243 |
| 1833 | 328,585 | 746 | 11,295 | 313 | 8,243 | 374 |
| 1834 | 429,650 | 926 | 12,181 | 338 | 8,832 | 401 |
| 1835 | 392,921 | 893 | 16,327 | 453 | 9,685 | 440 |
| 1836 | 310,183 | 704 | 51,637 | 1,434 | 29,898 | 1,358 |
| 1837 | 365,406 | 830 | 57,908 | 1,608 | 28,539 | 1,297 |
| 1838 | 374,713 | 851 | 49,360 | 1,371 | 18,944 | 861 |
| 1839 | 297,722 | 676 | 24,463 | 679 | 23,397 | 1,063 |
| 1840 | 364,292 | 827 | 34,796 | 915 | 24,740 | 1,124 |
| 1841 | 255,687 | 581 | 26,406 | 694 | 13,940 | 633 |
| 1842 | 322,354 | 722 | 31,427 | 827 | 15,829 | 719 |
| 1843 | 297,614 | 676 | 23,678 | 623 | 10,938 | 497 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1844 | 271,449 | 844 | 28,598 | 752 | 14,442 | 656 |
| 1845 | 399,094 | 907 | 46,639 | 1,227 | 14,191 | 645 |
| 1846 | 371,499 | 843 | 53,546 | 1,409 | 12,325 | 560 |
| 1847 | 380,388 | 864 | 39,551 | 1,040 | 14,192 | 645 |
| 1848 | 503,953 | 1,145 | 72,783 | 2,021 | 13,000 | 591 |
| 1849 | 395,681 | 899 | 32,792 | 872 | 10,823 | 537 |
| 1850 | 478,887 | 1,085 | 31,805 | 837 | 19,831 | 492 |
| 1851 | 433,335 | 982 | 30,510 | 803 | 20,615 | 937 |
| 1852 | 592,457 | 1,343 | 42,757 | 1,125 | 25,434 | 1,156 |
| 1853 | 575,777 | 1,306 | 38,026 | 1,001 | 17,421 | 792 |
| 1854 | 611,342 | 1,386 | 86,530 | 2,277 | 17,025 | 774 |
| 1855 | 555,492 | 1,259 | 60,596 | 1,595 | 10,567 | 480 |
| 1856 | 454,865 | 1,031 | 59,824 | 1,574 | 9,864 | 448 |
| 1857 | 458,476 | 1,039 | 78,037 | 2,053 | 13,233 | 601 |
| 1858 | 437,379 | 992 | 107,698 | 2,834 | 21,769 | 988 |
| 1859 | 446,746 | 1,027 | 48,253 | 1,269 | 5,850 | 266 |
| 1860 | 229,008 | 526 | 15,639 | 412 | 3,492 | 159 |
| 1861 | 206,952 | 476 | 25,552 | 672 | 19,284 | 876 |
| 1862 | 240,652 | 553 | 31,192 | 821 | 19,059 | 866 |
| 1863 | 323,625 | 744 | 29,090 | 765 | 11,829 | 577 |
| 1864 | 519,505 | 1,194 | 27,414 | 721 | 14,972 | 680 |
| 1865 | 816,660 | 1,877 | 238,622 | 6,280 | 19,965 | 907 |
| 1866 | 665,169 | 1,529 | 59,664 | 1,569 | 16,427 | 747 |
| 1867 | 489,170 | 1,125 | 44,463 | 1,170 | 18,848 | 857 |
| 1868 | 443,576 | 1,020 | 88,591 | 2,331 | 20,000 | 910 |
| 1869 | 609,236 | 1,400 | 42,311 | 1,113 | 21,458 | 975 |
| 1870 | 1,084,379 | 2,493 | 39,146 | 1,030 | 40,227 | 1,828 |
| 1871 | 898,671 | 2,066 | 51,707 | 1,361 | 30,010 | 1,364 |

V — (*Continued*).

| YEAR. | Chemung Canal. | | Crooked Lake Canal. | | Chenango Canal. | |
|---|---|---|---|---|---|---|
| | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. |
| 1826 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1827 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1828 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1829 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1830 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1831 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1832 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1833 | $4,660 | $666 | ..... | ..... | ..... | ..... |
| 1834 | 25,366 | 692 | $2,653 | $321 | ..... | ..... |
| 1835 | 9,616 | 259 | 3,566 | 445 | ..... | ..... |
| 1836 | 9,655 | 261 | 4,739 | 592 | ..... | ..... |
| 1837 | 14,569 | 393 | 6,214 | 776 | $19,508 | $201 |
| 1838 | 13,494 | 364 | 4,454 | 556 | 20,809 | 214 |
| 1839 | 13,382 | 361 | 3,557 | 444 | 17,248 | 177 |
| 1840 | 12,401 | 335 | 4,501 | 562 | 15,427 | 159 |
| 1841 | 23,360 | 631 | 9,034 | 1,129 | 15,563 | 160 |
| 1842 | 34,524 | 932 | 8,113 | 1,014 | 18,955 | 195 |
| 1843 | 14,295 | 386 | 4,047 | 505 | 15,062 | 156 |
| 1844 | 12,739 | 344 | 3,951 | 495 | 15,959 | 164 |
| 1845 | 17,978 | 435 | 4,765 | 595 | 18,951 | 191 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1846 | 14,295 | 385 | 5,309 | 663 | 18,452 | 190 |
| 1847 | 15,917 | 430 | 5,890 | 736 | 18,859 | 194 |
| 1848 | 27,232 | 736 | 8,516 | 1,064 | 20,901 | 215 |
| 1849 | 24,306 | 657 | 10,290 | 1,286 | 25,880 | 266 |
| 1850 | 33,230 | 852 | 5,629 | 704 | 27,181 | 280 |
| 1851 | 38,669 | 991 | 5,391 | 673 | 28,612 | 295 |
| 1852 | 33,200 | 848 | 8,587 | 1,073 | 36,460 | 375 |
| 1853 | 24,366 | 625 | 4,932 | 616 | 38,243 | 394 |
| 1854 | 30,654 | 786 | 5,132 | 641 | 49,602 | 511 |
| 1855 | 23,033 | 591 | 5,077 | 635 | 49,416 | 509 |
| 1856 | 17,209 | 441 | 3,647 | 456 | 13,903 | 143 |
| 1857 | 87,231 | 2,237 | 4,658 | 582 | 27,826 | 287 |
| 1858 | 150,605 | 3,861 | 9,803 | 1,225 | 44,114 | 455 |
| 1859 | 21,965 | 563 | 4,850 | 606 | 26,069 | 269 |
| 1860 | 12,431 | 319 | 4,598 | 575 | 26,934 | 278 |
| 1861 | 23,455 | 601 | 6,186 | 773 | 22,594 | 233 |
| 1862 | 27,024 | 693 | 7,161 | 895 | 29,086 | 300 |
| 1863 | 80,583 | 2,066 | 5,142 | 643 | 31,897 | 328 |
| 1864 | 29,141 | 747 | 23,696 | 2,962 | 40,845 | 421 |
| 1865 | 88,398 | 2,267 | 36,201 | 4,525 | 100,451 | 1,035 |
| 1866 | 49,304 | 1,264 | 7,110 | 889 | 81,132 | 836 |
| 1867 | 106,625 | 2,733 | 7,396 | 924 | 104,598 | 1,078 |
| 1868 | 44,932 | 1,152 | 7,216 | 902 | 64,053 | 660 |
| 1869 | 37,668 | 965 | 7,585 | 948 | 48,827 | 503 |
| 1870 | 29,460 | 755 | 6,903 | 863 | 86,620 | 893 |
| 1871 | 91,226 | 2,339 | 74,459 | 9,307 | 122,008 | 1,258 |

V — (*Continued*).

| YEAR. | Genesee Valley Canal. | | Oneida Lake Canal and Feeder. | | Oneida River Improvement. | |
|---|---|---|---|---|---|---|
| | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. |
| 1826 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1827 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1828 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1829 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1830 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1831 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1832 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1833 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1834 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1835 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1836 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1837 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1838 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1839 | ..... | ..... | ..... | ..... | ..... | ..... |
| 1840 | $4,529 | $152 | ..... | ..... | ..... | ..... |
| 1841 | 10,468 | 290 | $3,370 | ..... | ..... | ..... |
| 1842 | 17,749 | 341 | 3,608 | $561 | ..... | ..... |
| 1843 | 15,210 | 292 | 2,232 | 601 | ..... | ..... |
| 1844 | 15,556 | 299 | 1,636 | 372 | ..... | ..... |
| 1845 | 16,901 | 325 | 1,933 | 322 | ..... | ..... |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1846 | 17,399 | 334 | 17,875 | 2,979 | ..... | ..... |
| 1847 | 15,782 | 303 | 5,842 | 973 | ..... | ..... |
| 1848 | 66,527 | 510 | 1,855 | 309 | ..... | ..... |
| 1849 | 18,192 | 349 | 2,160 | 360 | ..... | ..... |
| 1850 | 18,575 | 357 | 4,892 | 815 | $412 | $21 |
| 1851 | 33,136 | 868 | 3,590 | 598 | 2,250 | 112 |
| 1852 | 75,572 | 839 | 6,361 | 1,060 | 2,145 | 107 |
| 1853 | 55,766 | 620 | 6,166 | 1,028 | 1,544 | 77 |
| 1854 | 48,093 | 534 | 10,441 | 1,740 | 3,255 | 163 |
| 1855 | 46,437 | 516 | 6,236 | 1,039 | 3,913 | 196 |
| 1856 | 34,371 | 381 | 2,589 | 432 | 2,482 | 124 |
| 1857 | 60,650 | 505 | 3,919 | 653 | 3,591 | 179 |
| 1858 | 80,911 | 674 | 4,104 | 684 | 2,797 | 139 |
| 1859 | 46,490 | 366 | 3,975 | 662 | 1,079 | 54 |
| 1860 | 38,518 | 304 | 4,059 | 676 | ..... | ..... |
| 1861 | 28,450 | 224 | 3,242 | 540 | ..... | ..... |
| 1862 | 64,711 | 510 | 2,475 | 412 | 448 | 22 |
| 1863 | 49,984 | 393 | 2,375 | 395 | ..... | ..... |
| 1864 | 166,226 | 1,308 | 2,543 | 424 | ..... | ..... |
| 1865 | 231,902 | 1,826 | 2,366 | 394 | 1,097 | 55 |
| 1866 | 93,803 | 754 | 524 | 87 | ..... | ..... |
| 1867 | 93,343 | 735 | ..... | ..... | ..... | ..... |
| 1868 | 72,086 | 552 | ..... | ..... | ..... | ..... |
| 1869 | 83,185 | 655 | ..... | ..... | ..... | ..... |
| 1870 | 215,236 | 1,695 | ..... | ..... | ..... | ..... |
| 1871 | 156,956 | 1,236 | ..... | ..... | ..... | ..... |

V — (*Continued*).

| YEAR. | Black River Canal. | | Baldwinsville Canal. | | Total miles. | Total cost of repairs. | Total average per mile. |
|---|---|---|---|---|---|---|---|
| | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. | | | |
| 1826 | ..... | ..... | ..... | ..... | 440 | $182,162 | $414 |
| 1827 | ..... | ..... | ..... | ..... | 440 | 232,472 | 528 |
| 1828 | ..... | ..... | ..... | ..... | 478 | 234,483 | 490 |
| 1829 | ..... | ..... | ..... | ..... | 500 | 254,433 | 509 |
| 1830 | ..... | ..... | ..... | ..... | 500 | 221,005 | 442 |
| 1831 | ..... | ..... | ..... | ..... | 500 | 180,773 | 361 |
| 1832 | ..... | ..... | ..... | ..... | 500 | 344,917 | 690 |
| 1833 | ..... | ..... | ..... | ..... | 537 | 372,789 | 694 |
| 1834 | ..... | ..... | ..... | ..... | 545 | 478,964 | 879 |
| 1835 | ..... | ..... | ..... | ..... | 545 | 432,115 | 793 |
| 1836 | ..... | ..... | ..... | ..... | 545 | 406,122 | 745 |
| 1837 | ..... | ..... | ..... | ..... | 642 | 492,144 | 766 |
| 1838 | ..... | ..... | ..... | ..... | 642 | 481,754 | 750 |
| 1839 | ..... | ..... | ..... | ..... | 642 | 379,769 | 591 |
| 1840 | ..... | ..... | ..... | ..... | 694 | 460,866 | 664 |
| 1841 | ..... | ..... | ..... | ..... | 700 | 357,828 | 511 |
| 1842 | ..... | ..... | ..... | ..... | 700 | 452,559 | 646 |
| 1843 | ..... | ..... | ..... | ..... | 700 | 383,076 | 547 |
| 1844 | ..... | ..... | ..... | ..... | 700 | 464,330 | 663 |
| 1845 | ..... | ..... | ..... | ..... | 700 | 520,452 | 743 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1846 | ..... | ..... | ..... | ..... | 700 | 510,355 | 729 |
| 1847 | ..... | ..... | ..... | ..... | 700 | 496,424 | 709 |
| 1848 | ..... | ..... | ..... | ..... | 700 | 674,777 | 964 |
| 1849 | ..... | ..... | ..... | ..... | 700 | 521,122 | 744 |
| 1850 | $15,508 | $398 | ..... | ..... | 762 | 626,950 | 823 |
| 1851 | 22,702 | 582 | ..... | ..... | 800 | 618,808 | 773 |
| 1852 | 30,611 | 785 | ..... | ..... | 800 | 853,474 | 1,066 |
| 1853 | 26,830 | 688 | ..... | ..... | 800 | 789,082 | 996 |
| 1854 | 28,578 | 733 | $5,587 | ..... | 812 | 895,737 | 1,103 |
| 1855 | 33,862 | 868 | 2,373 | $424 | 812 | 797,006 | 981 |
| 1856 | 17,204 | 441 | 422 | 198 | 855 | 616,014 | 759 |
| 1857 | 13,797 | 265 | 455 | 35 | 855 | 751,873 | 879 |
| 1858 | 18,622 | 358 | 2,382 | 38 | 855 | 880,184 | 1,029 |
| 1859 | 24,925 | 479 | 413 | 198 | 856 | 630,615 | 737 |
| 1860 | 22,287 | 237 | ..... | 34 | 866 | 356,966 | 412 |
| 1861 | 23,420 | 249 | 1,070 | ..... | 878 | 360,187 | 410 |
| 1862 | 20,834 | 222 | 175 | 89 | 898 | 442,817 | 493 |
| 1863 | 20,455 | 217 | 72 | 15 | 898 | 555,052 | 618 |
| 1864 | 21,646 | 230 | 632 | 6 | 898 | 846,624 | 942 |
| 1865 | 48,488 | 516 | 499 | 53 | 898 | 1,584,648 | 1,765 |
| 1866 | 46,911 | 499 | 12,810 | 42 | 898 | 1,032,824 | 1,176 |
| 1867 | 42,320 | 450 | 93 | 1,067 | 898 | 906,856 | 1,010 |
| 1868 | 44,664 | 369 | ..... | 8 | 898 | 775,118 | 901 |
| 1869 | 67,426 | 717 | ..... | ..... | .... | 917,696 | 1,067 |
| 1870 | 217,386 | 2,313 | ..... | ..... | .... | 1,719,357 | 1,999 |
| 1871 | 88,945 | 946 | 3,600 | 300 | 872 | 1,517,583 | 1,740 |

( W. )

*STATEMENT of the amounts expended for repairs of old and erection of new work on the Erie canal, divided into three sections, and the average cost per mile of each section, by the superintendents, from* 1835 *to* 1871, *including payments to repair contractors from* 1855 *to* 1871, *and expenditures by resident engineers for repairs from* 1857 *to* 1860, *and also the amounts expended by the Canal Commissioners on said canal for repairs; the total by superintendents, resident engineers and Canal Commissioners, including payments to repair contractors, and the total average per mile from* 1835 *to* 1871, *both years inclusive.*

| YEAR. | SECTION No. 1. From Albany to Higgins, 136 miles. | | SECTION No. 2. From Higgins to Montezuma, 69 miles. | | SECTION No. 3. From Montezuma to Buffalo, 159 miles. | |
|---|---|---|---|---|---|---|
| | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. | Cost of repairs. | Average per mile. |
| 1835 | $152,286 79 | $1,043 06 | $53,133 30 | $708 44 | $137,908 52 | $867 35 |
| 1836 | 112,949 46 | 773 56 | 34,132 85 | 455 10 | 100,010 94 | 629 00 |
| 1837 | 123,431 97 | 845 42 | 35,971 35 | 479 62 | 135,723 92 | 853 61 |
| 1838 | 106,903 76 | 732 22 | 32,895 60 | 438 61 | 167,219 37 | 1,051 69 |
| 1839 | 90,969 01 | 623 08 | 29,556 92 | 394 09 | 101,774 70 | 640 09 |
| 1840 | 149,172 14 | 1,021 72 | 34,594 83 | 441 26 | 108,859 85 | 684 65 |
| 1841 | 100,186 32 | 686 20 | 36,175 58 | 432 34 | 77,711 18 | 448 74 |
| 1842 | 125,575 92 | 981 08 | 66,771 25 | 612 58 | 82,996 90 | 580 18 |
| 1843 | 116,265 55 | 908 32 | 40,054 88 | 367 48 | 102,255 30 | 715 07 |
| 1844 | 143,216 77 | 1,118 88 | 47,299 63 | 433 94 | 130,656 90 | 913 69 |
| 1845 | 125,857 03 | 983 26 | 70,856 17 | 650 06 | 136,833 21 | 949 88 |
| 1846 | 115,859 80 | 934 35 | 59,656 53 | 621 42 | 141,197 40 | 928 93 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1847 | 119,274 00 | 961 88 | 64,071 85 | 667 40 | 150,652 91 | 991 14 |
| 1848 | 175,715 59 | 1,417 06 | 95,353 30 | 993 26 | 162,861 89 | 1,071 16 |
| 1849 | 135,696 38 | 1,094 33 | 59,656 90 | 621 42 | 142,855 01 | 939 83 |
| 1850 | 188,772 86 | 1,284 17 | 39,048 90 | 527 69 | 188,304 11 | 1,238 84 |
| 1851 | 222,702 54 | 1,514 98 | 38,081 76 | 514 62 | 121,584 00 | 799 89 |
| 1852 | 328,889 80 | 2,237 34 | 52,475 66 | 709 13 | 135,572 72 | 891 91 |
| 1853 | 276,164 51 | 1,878 67 | 51,204 27 | 691 95 | 169,445 06 | 1,114 77 |
| 1854 | 299,638 03 | 2,038 35 | 66,554 54 | 899 38 | 172,567 17 | 1,135 31 |
| 1855 | 300,330 21 | 2,043 06 | 27,145 66 | 393 86 | 118,760 68 | 781 32 |
| 1856 | 277,441 66 | 1,547 22 | 33,553 37 | 433 42 | 148,496 12 | 976 95 |
| 1857 | 165,869 16 | 1,128 36 | 46,923 29 | 607 07 | 173,043 61 | 1,138 94 |
| 1858 | 163,997 32 | 1,115 63 | 45,507 28 | 614 96 | 146,815 01 | 965 83 |
| 1859 | 215,745 52 | 1,477 71 | 24,843 89 | 360 06 | 141,280 79 | 888 55 |
| 1860 | 110,314 76 | 787 96 | 19,169 14 | 259 04 | 43,502 70 | 284 33 |
| 1861 | 103,279 62 | 737 71 | 20,915 87 | 282 65 | 54,008 62 | 353 00 |
| 1862 | 109,081 53 | 779 15 | 24,754 10 | 334 51 | 60,728 47 | 396 92 |
| 1863 | 148,870 92 | 1,063 36 | 28,474 96 | 384 80 | 93,314 80 | 609 90 |
| 1864 | 283,423 86 | 2,024 45 | 56,349 55 | 761 48 | 111,247 18 | 727 11 |
| 1865 | 383,427 90 | 2,738 71 | 59,452 21 | 803 41 | 262,571 36 | 1,722 68 |
| 1866 | 307,860 86 | 2,199 00 | 46,559 50 | 629 18 | 203,465 95 | 1,329 84 |
| 1867 | 258,438 23 | 1,845 91 | 25,456 75 | 344 01 | 135,334 36 | 884 53 |
| 1868 | 198,689 37 | 1,419 21 | 22,737 55 | 307 26 | 141,398 53 | 943 45 |
| 1869 | 238,851 68 | 1,706 08 | 28,894 60 | 390 47 | 192,348 49 | 1,257 18 |
| 1870 | 528,954 56 | 3,778 24 | 95,231 33 | 1,286 91 | 208,368 16 | 1,361 88 |
| 1871 | 396,601 08 | 2,832 87 | 96,866 72 | 1,309 01 | 242,253 57 | 1,583 30 |

W — (*Continued*).

| YEAR. | Total amount expended by superintendents, resident engineers, and payments to repair contractors. | Total amount expended by the Canal Commissioners, not including their salaries. | Total amount expended by the Canal Commissioners, superintendents, engineers, and payments to repair contractors. | Total average per mile. |
|---|---|---|---|---|
| 1835 | $343,328 61 | $9,391 90 | $352,720 51 | $928 21 |
| 1836 | 247,084 25 | 4,119 21 | 251,203 46 | 661 06 |
| 1837 | 295,127 24 | 3,985 61 | 294,113 85 | 787 14 |
| 1838 | 307,018 73 | 1,484 75 | 308,504 48 | 811 85 |
| 1839 | 222,300 63 | 1,563 18 | 223,863 81 | 589 12 |
| 1840 | 292,626 82 | 5,923 88 | 298,550 70 | 785 66 |
| 1841 | 214,073 08 | 3,056 86 | 217,129 94 | 571 39 |
| 1842 | 275,314 07 | 7,735 61 | 283,049 68 | 744 87 |
| 1843 | 258,575 73 | 27,509 53 | 286,085 26 | 752 86 |
| 1844 | 321,173 30 | 59,047 25 | 380,220 55 | 1,000 58 |
| 1845 | 332,546 41 | 94,061 24 | 426,607 65 | 1,122 63 |
| 1846 | 316,712 73 | 21,531 47 | 338,244 20 | 909 26 |
| 1847 | 833,998 76 | 15,498 45 | 349,496 21 | 939 50 |
| 1848 | 433,885 78 | 24,566 23 | 458,452 01 | 1,232 40 |
| 1849 | 338,208 29 | 4,451 31 | 342,659 60 | 921 12 |
| 1850 | 416,125 87 | 2,805 98 | 418,931 85 | 1,123 14 |
| 1851 | 382,368 30 | 26,288 30 | 408,656 60 | 1,095 59 |
| 1852 | 516,938 18 | 17,572 42 | 534,510 61 | 1,433 00 |
| 1853 | 496,813 84 | 39,707 35 | 536,521 19 | 1,438 39 |
| 1854 | 538,759 74 | 39,054 17 | 577,814 21 | 1,549 10 |

| | | | | |
|---|---|---|---|---|
| 1855 | 448,236 55 | 24,693 26 | 472,929 81 | 1,267 88 |
| 1856 | 409,491 15 | 47,191 65 | 426,681 80 | 1,224 35 |
| 1857 | 285,836 06 | 40,144 05 | 425,980 11 | 1,141 88 |
| 1858 | 356,319 61 | 20,317 64 | 376,637 25 | 1,010 55 |
| 1859 | 381,870 20 | 79,584 14 | 561,454 34 | 1,233 83 |
| 1860 | 172,986 60 | 115,179 58 | 288,166 18 | 785 19 |
| 1861 | 178,204 12 | 126,996 27 | 305,200 39 | 831 61 |
| 1862 | 194,564 10 | 76,185 77 | 270,749 87 | 737 74 |
| 1863 | 270,660 68 | 69,707 91 | 340,368 59 | 927 43 |
| 1864 | 451,020 59 | 58,757 58 | 509,778 17 | 1,389 01 |
| 1865 | 706,451 47 | 48,865 92 | 755,317 39 | 2,058 08 |
| 1866 | 557,886 31 | 68,588 06 | 626,474 37 | 1,707 01 |
| 1867 | 419,229 34 | 75,641 81 | 494,871 15 | 1,348 40 |
| 1868 | 362,825 45 | 71,498 60 | 434,324 05 | 1,180 72 |
| 1869 | 460,094 77 | 90,130 40 | 550,225 17 | 1,499 25 |
| 1870 | 832,554 05 | 181,004 72 | 1,013,558 77 | 2,761 74 |
| 1871 | 735,721 37 | 145,266 24 | 880,987 61 | 2,400 51 |

In consequence of a change in the lines of some of the superintendents, the miles for each of the above sections have been as follows:

From 1835 to 1841—Sec. No. 1, 146 miles; Sec. 2, 69 miles; Sec. 3, 159 miles.
From 1842 to 1845—Sec. No. 1, 128 miles; Sec. 2, 109 miles; Sec. 3, 143 miles.
From 1846 to 1849—Sec. No. 1, 124 miles; Sec. 2, 96 miles; Sec. 3, 152 miles.
From 1850 to 1859—Sec. No. 1, 147 miles; Sec. 2, 74 miles; Sec. 3, 152 miles.
From 1860 to 1871—Sec. No. 1, 140 miles; Sec. 2, 74 miles; Sec. 3, 153 miles.

( X. )

*STATEMENT of the amounts expended for repairs of old and the erection of new work on the Champlain canal (including the Glen's Falls feeder and dam), seventy miles, by the superintendents of repairs and the Canal Commissioners, and the average cost per mile, from* 1835 *to* 1861, *including expenditures by resident engineers from* 1857 *to* 1861, *and payments to repair contractors from* 1855 *to* 1871 *inclusive.*

| YEARS. | Superintendents, resident engineeers and repair contractors. | Canal Commissioners. | Superintendents, Canal Commissioners, resident engineers and repair contractors. | Average cost per mile. |
|---|---|---|---|---|
| 1835 | $49,593 04 | ..... | $49,593 04 | $825 55 |
| 1836 | 63,098 84 | ..... | 63,098 84 | 1,051 65 |
| 1837 | 70,279 51 | $48,236 29 | 119,515 80 | 1,991 93 |
| 1838 | 67,694 77 | 71,652 50 | 139,347 27 | 2,323 45 |
| 1839 | 75,422 15 | 40,344 56 | 115,760 72 | 1,929 45 |
| 1840 | 71,665 19 | 14,566 70 | 86,222 39 | 1,437 04 |
| 1841 | 41,614 14 | 34,621 34 | 76,235 48 | 1,270 59 |
| 1842 | 47,040 33 | 92,680 90 | 139,721 23 | 2,228 69 |
| 1843 | 39,038 61 | 17,237 90 | 56,276 51 | 937 94 |
| 1844 | 50,276 03 | 4,566 33 | 54,842 36 | 914 04 |
| 1845 | 66,548 56 | 2,212 29 | 69,760 85 | 1,162 68 |
| 1846 | 64,471 65 | 452 58 | 54,924 23 | 915 40 |
| 1847 | 46,389 35 | 1,406 64 | 47,795 99 | 702 88 |
| 1848 | 70,067 12 | 250 00 | 70,317 12 | 1,034 07 |
| 1849 | 57,472 77 | 34 00 | 57,506 71 | 845 69 |
| 1850 | 62,823 86 | ..... | 62,823 86 | 807 48 |
| 1851 | 50,966 83 | 13,539 15 | 64,505 98 | 948 62 |

| | | | | |
|---|---|---|---|---|
| 1852 | 75,519 01 | 30,390 89 | 105,909 90 | 1,557 50 |
| 1853 | 78,963 36 | 5,321 78 | 84,285 14 | 1,239 49 |
| 1854 | 72,582 41 | 6,724 85 | 79,307 26 | 1,166 28 |
| 1855 | 90,383 21 | 12,175 28 | 102,558 49 | 1,508 21 |
| 1856 | 45,374 20 | 5,770 29 | 51,144 49 | 752 12 |
| 1857 | 72,640 31 | 200 00 | 72,840 31 | 1,071 18 |
| 1858 | 81,059 16 | ..... | 81,069 16 | 1,191 31 |
| 1859 | 64,875 76 | 9,947 25 | 74,823 01 | 1,100 34 |
| 1860 | 56,020 96 | 5,954 84 | 61,975 80 | 914 41 |
| 1861 | 28,747 80 | 6,949 27 | 35,697 07 | 524 96 |
| 1862 | 46,087 54 | 18,739 51 | 64,827 05 | 953 34 |
| 1853 | 52,964 46 | 11,491 81 | 66,456 27 | 947 89 |
| 1864 | 68,484 78 | 2,008 24 | 70,493 02 | 1,000 04 |
| 1865 | 110,208 99 | 1,159 50 | 111,368 49 | 1,637 77 |
| 1866 | 107,282 25 | 2,725 16 | 110,007 41 | 1,617 75 |
| 1867 | 69,940 75 | 2,639 26 | 72,580 01 | 1,067 35 |
| 1869 | 80,751 12 | 24,857 32 | 105,608 44 | 1,508 69 |
| 1869 | 149,141 15 | 37,259 97 | 186,461 12 | 2,741 18 |
| 1870 | 251,824 62 | 86,315 78 | 338,140 40 | 4,972 65 |
| 1871 | 162,949 82 | 70,642 37 | 233,592 19 | 3,435 18 |

( Y. )

*STATEMENT of expenditures for repairs on each division of the canals by the superintendents and Canal Commissioners, including payments to repair contractors, for the years* 1870 *and* 1871.

| DIVISION. | Commissioners. | 1870. | 1871. | More in 1871. | Less in 1871. |
|---|---|---|---|---|---|
| Eastern Division..... | Geo. W. Chapman... | $1,215,610 50 | $823,298 23 | ..... | $392,312 27 |
| Middle Division..... | W. W. Wright..... | 421,295 13 | 587,657 73 | $166,362 60 | ..... |
| Western Division..... | John D. Fay ..... | 497,907 24 | 431,774 17 | ..... | 66,133 07 |
| | | $2,134,812 87 | $1,842,730 13 | $166,362 60 | $458,445 34 |
| | | 1,842,730 13 | | | 166,362 60 |
| Excess of 1870 over 1871 ..... | | $292,082 74 | | | $292,082 74 |

## ( Z. )

*STATEMENT showing the expenditures for repairs by the superintendents, resident engineers and Canal Commissioners, including payments to repair contractors for nineteen years, ending with* 1871; *also showing the average cost per year for the first nine and the last ten years of said period.*

| NAME OF CANAL. | 1853. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | Total. | Yearly average. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Erie canal, Eastern Division. | $303,279 03 | $323,538 73 | $320,369 97 | $234,662 37 | $190,375 58 | $173,469 76 | $242,281 50 | $153,483 00 | $110,984 16 | $2,052,444 10 | $256,555 51 |
| Erie canal, Middle Division.. | 59,986 62 | 71,582 99 | 34,024 42 | 40,715 88 | 54,001 54 | 51,201 12 | 43,390 63 | 27,797 44 | 81,240 39 | 463,941 03 | 57,992 63 |
| Erie canal, Western Division, | 178,577 32 | 182,692 40 | 123,414 18 | 181,304 55 | 181,603 99 | 151,966 37 | 175,782 21 | 106,875 74 | 112,975 84 | 1,395,191 69 | 174,398 96 |
| | $541,842 97 | $577,814 21 | $477,808 57 | $456,682 80 | $425,980 11 | $376,637 25 | $461,454 34 | $288,166 18 | $305,200 39 | $3,911,576 82 | $488,947 10 |
| Champlain canal..... | 78,963 36 | 79,307 26 | 102,558 49 | 51,144 49 | 72,840 31 | 81,059 76 | 74,828 01 | 61,975 80 | 35,697 07 | 638,368 95 | 79,796 12 |
| Oswego canal ..... | 191,122 95 | 186,529 61 | 95,868 69 | 59,824 88 | 78,037 06 | 107,697 72 | 55,253 08 | 37,797 46 | 26,480 71 | 838,622 16 | 104,827 77 |
| Cayuga and Seneca canal .... | 29,194 35 | 17,042 53 | 10,567 16 | 9,864 62 | 13,232 62 | 21,769 49 | 14,547 32 | 6,074 50 | 19,850 34 | 142,134 98 | 17,766 87 |
| Chemung canal ..... | 37,030 94 | 33,700 39 | 23,033 94 | 18,532 52 | 117,219 01 | 178,950 61 | 60,991 86 | 82,218 61 | 44,283 85 | 595,959 73 | 74,494 97 |
| Crooked Lake canal ..... | 4,931 74 | 5,131 71 | 5,076 88 | 4,427 38 | 11,999 15 | 10,387 66 | 4,997 31 | 5,065 24 | 6,758 82 | 38,775 89 | 4,846 98 |
| Chenango canal..... | 38,243 11 | 49,601 81 | 49,416 62 | 15,491 48 | 27,985 76 | 44,729 94 | 26,502 22 | 28,936 36 | 61,691 85 | 342,600 15 | 42,825 02 |
| Genesee Valley canal..... | 55,766 48 | 50,092 91 | 46,437 04 | 34,271 11 | 60,649 79 | 80,910 70 | 48,303 05 | 43,832 26 | 32,752 11 | 472,796 26 | 59,099 53 |
| Oneida Lake canal and feed'r, | 6,166 41 | 10,440 57 | 6,235 63 | 2,589 66 | 3,939 86 | 4,103 95 | 5,125 00 | 4,269 42 | 4,305 76 | 47,176 26 | 5,897 03 |
| Oneida River improvement.. | 1,554 10 | 3,254 89 | 3,913 62 | 2,481 73 | 5,106 47 | 2,797 27 | 1,078 83 | 182 67 | 15,054 30 | 5,423 88 | 677 98 |
| Black River canal ..... | 26,829 88 | 34,975 56 | 36,861 68 | 17,203 73 | 13,796 65 | 18,621 75 | 26,484 29 | 21,459 40 | 22,282 35 | 315,515 29 | 39,439 41 |
| Black River improvement ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,741 58 | 3,799 92 | 6,541 50 | 817 69 |
| Baldwinsville canal ..... | ..... | 5,086 93 | 2,372 66 | 422 46 | 455 43 | 2,381 62 | 413 30 | ..... | 1,069 60 | 12,202 00 | 1,525 25 |
| Seneca River improvement.. | ..... | ..... | ..... | ..... | 885 13 | ..... | ..... | ..... | ..... | 885 13 | 110 64 |
| Total ..... | $1,011,646 29 | $1,052,978 38 | $857,160 98 | $672,937 86 | $832,128 35 | $930,047 12 | $779,973 66 | $582,719 48 | $579,227 07 | $7,368,579 00 | $921,062 36 |

## Z.—(*Continued*).

| NAME OF CANAL. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. |
|---|---|---|---|---|---|---|
| Erie canal, Eastern Division | $129,375 20 | $168,970 60 | $304,729 79 | $394,016 93 | $337,661 90 | $291,193 07 |
| Erie canal, Middle Division | 37,187 11 | 38,900 44 | 70,420 36 | 73,365 21 | 74,710 76 | 57,647 68 |
| Erie canal, Western Division | 104,187 56 | 132,497 55 | 134,628 02 | 287,935 26 | 214,101 71 | 146,030 40 |
| | $270,749 87 | $340,368 59 | $509,778 17 | $755,317 39 | $626,474 37 | $494,871 15 |
| Champlain canal | 64,827 05 | 64,456 27 | 70,493 02 | 111,368 49 | 110,007 41 | 72,580 01 |
| Oswego canal | 65,300 67 | 42,069 27 | 31,799 13 | 303,549 05 | 164,463 34 | 156,518 36 |
| Cayuga and Seneca canal | 21,211 45 | 16,479 92 | 17,292 76 | 20,364 10 | 16,604 93 | 19,642 86 |
| Chemung canal | 108,935 73 | 110,396 82 | 63,500 33 | 100,442 52 | 72,991 88 | 129,367 90 |
| Crooked Lake canal | 7,446 22 | 5,321 60 | 37,143 57 | 36,461 32 | 7,283 13 | 7,636 64 |
| Chenango canal | 41,663 57 | 35,994 53 | 78,976 87 | 136,584 06 | 114,856 41 | 193,128 01 |
| Genesee Valley canal | 68,090 66 | 60,612 38 | 168,841 31 | 233,621 41 | 100,417 32 | 98,112 97 |
| Oneida Lake canal and feeder | 2,475 01 | 3,147 44 | 5,077 87 | 7,792 21 | 4,166 72 | 68 92 |
| Oneida River improvement | 1,375 66 | ..... | ..... | 1,097 09 | ..... | ..... |
| Black River canal | 46,978 33 | 17,631 51 | 18,648 86 | 57,963 33 | 51,083 36 | 42,518 24 |
| Black River improvement | 3,856 31 | 4,043 34 | 4,193 47 | ..... | ..... | ..... |
| Baldwinsville canal | ..... | 72 33 | 948 67 | 499 00 | 12,810 29 | 93 32 |
| Seneca River improvement | 174 67 | ..... | ..... | ..... | ..... | ..... |
| Cayuga Inlet | ..... | ..... | ..... | ..... | 930 53 | ..... |
| Total | $673,135 30 | $700,594 00 | $1,006,694 03 | $1,765,059 97 | $1,282,089 69 | $1,214,538 38 |

## Z.—(*Continued*).

| NAME OF CANAL. | 1868. | 1869. | 1870. | 1871. | Total. | Yearly average. |
|---|---|---|---|---|---|---|
| Erie canal, Eastern Division | $227,711 10 | $276,187 17 | $635,684 45 | $482,627 28 | $3,254,157 51 | $325,415 75 |
| Erie canal, Middle Division | 44,941 47 | 46,464 59 | 113,031 52 | 128,069 22 | 684,737 36 | 68,475 73 |
| Erie canal, Western Division | 161,671 48 | 227,573 41 | 264,842 80 | 270,291 11 | 1,943,769 29 | 194,376 93 |
| | $434,324 05 | $550,225 17 | $1,013,558 77 | $880,987 61 | $5,882,664 16 | $588,266 41 |
| Champlain canal | 105,608 44 | 186,401 12 | 338,140 40 | 233,592 19 | 1,357,469 40 | 135,746 94 |
| Oswego canal | 103,279 92 | 116,307 10 | 53,564 78 | 59,911 92 | 1,096,763 54 | 109,676 35 |
| Cayuga and Seneca canal | 20,758 32 | 21,860 04 | 51,707 82 | 37,553 09 | 243,475 34 | 24,347 53 |
| Chemung canal | 60,386 35 | 38,191 06 | 53,427 99 | 95,115 69 | 832,756 27 | 83,275 63 |
| Crooked Lake canal | 7,597 85 | 8,009 18 | 6,903 12 | 75,387 96 | 189,190 59 | 18,919 06 |
| Chenango canal | 146,359 48 | 52,965 78 | 142,659 90 | 188,019 85 | 1,131,208 46 | 113,120 84 |
| Genesee Valley canal | 95,347 28 | 136,650 12 | 238,064 44 | 161,483 06 | 1,307,700 29 | 130,770 03 |
| Oneida Lake canal and feeder | ..... | ..... | ..... | ..... | 22,738 17 | 2,272 82 |
| Oneida River improvement | ..... | ..... | ..... | ..... | 2,472 75 | 247 27 |
| Black River canal | 35,396 23 | 68,162 10 | 241,785 65 | 107,078 76 | 657,246 37 | 65,724 64 |
| Black River improvement | ..... | ..... | ..... | ..... | 15,893 04 | 1,589 30 |
| Baldwinsville canal | 1,708 00 | ..... | ..... | 3,600 00 | 19,731 61 | 1,973 16 |
| Seneca River improvement | ..... | ..... | ..... | ..... | 174 67 | 17 47 |
| Cayuga inlet | ..... | ..... | ..... | ..... | 930 53 | 93 05 |
| Total | $1,010,765 92 | $1,178,771 67 | $2,134,812 87 | $1,842,730 13 | $12,760,405 19 | $1,276,040 50 |

# STATE OF NEW YORK.

No. 6.

# IN ASSEMBLY,

January 2, 1872.

## COMMUNICATION

### RELATIVE TO THE FINANCIAL CONDITION OF NEW YORK CITY.

EXECUTIVE CHAMBER,
ALBANY, *January* 2, 1872.

*To the Legislature:*

The financial condition of New York city is a matter of great interest to the people of the State at large, and, in some degree, to the commercial world, its stocks and bonds being held for investment at home and abroad. In view of recent events, I deemed it my duty to procure for you full information as to its liabilities and resources, and addressed a letter to the chairman of the State Board of Commissioners for revision of the tax laws, the Hon. David A. Wells, who seemed to me specially fitted for the work, requesting him to investigate and report to me. In consequence of delay in his obtaining some of the facts, his report did not reach me until my annual message was in print. My letter to him and his reply are as follows:

STATE OF NEW YORK, EXECUTIVE CHAMBER,
ALBANY, *Nov. 25th*, 1871.

MY DEAR SIR.—The financial condition and credit of New York city are of interest as well to the people of the State at large as to its own citizens. It is important that the actual condition of our great metropolis, in reference to its indebtedness and its resources,

should be made known with accuracy; and I desire to communicate the facts to the Legislature and the people of the State in my next message. Will you undertake to investigate the matter in my behalf?

Very truly yours,

JOHN T. HOFFMAN.

Hon. DAVID A. WELLS,
*Chairman, etc.*

NEW YORK, *Dec. 28th*, 1871.

SIR.—In response to your note of November 25th, requesting me to investigate and report to you, on the relation which exists between the indebtedness of the city and county of New York, and the resources available for the payment of such indebtedness; or the extent of the resources or property which may be fully regarded as constituting an adequate and inalienable security for the ultimate payment in principle and interest of such indebtedness, I have the honor to submit the following exhibit:

FUNDED DEBT.

By report furnished on request by Hon. A. H. Green, comptroller, it appears that the funded debt, bearing *five*, *six* and *seven* per cent interest, of the city and county of New York, was, on the 16th day of December, 1871, $87,371,808.51; and the assets of the sinking fund of the city and county, consisting of stocks and cash, available for the redemption of debt, were, on the same day, $20,137,093.02; thus making the present *net* funded debt of the city and county of New York, $67,234,715.49.

FLOATING OR TEMPORARY DEBT.

The temporary or floating debt of the city and county of New York, consisting of bonds issued in anticipation of receipts from assessments, arrears of interest, State taxes, unpaid warrants and the like, was on the 16th day of December, 1871, $28,259,071.35; or deducting cash on hand, $6,959 919.62 in the city and county treasury, $21,299,152.73.

In addition to the above, the comptroller also reports claims already presented on unsettled accounts, to an estimated aggregate of about $6,000,000; which last included would make the total *ascertained* debt and "claims presented" of the city and county of New York, on the 16th of December, 1871, $94,523,867.22.

## Prospective Indebtedness.

So much for the present aspect of the indebtedness of the city and county of New York. In respect to the future, it is to be noted:

*First.* That much of the existing temporary and floating debt of the city and county of New York as above indicated, including an aggregate of assessment bonds issued in anticipation of tax receipts of $14,950,700.00, is redeemable from the collection of assessments, or arrears of taxes, and that a very considerable amount of these assessments and arrears is certain to be collected. And,

*Second.* That the city holds bonds and mortgages on account of sales of real estate to the amount of $1,132,893.26; the proceeds of which, when collected, are applicable for an increase of the sinking fund held for the redemption of the funded debt.

On the other hand it is known, that claims to a very considerable amount for services rendered and materials furnished to the several departments of the city and county government during the year 1871 and previously, are yet to be presented, and that the carrying out of such public works as are already in progress or are certain to be authorized, will also require further additional expenditures.

But in estimating the amount of these prospective requirements for expenditure, it should not be overlooked, that the amount of claims against the city which are yet to be presented is not likely to be in excess of the arrears of assessments and taxes yet to be collected: and further that the amount to be hereafter expended on account of public improvements cannot, with any regard for economy and moderation, ever prove disproportionate to the concurrent increase in the material resources of the city, arising from its certain and rapid increase in wealth, business and population.

So that making every allowance for contingencies, or any immediate advances on account of public improvements, the total present liabilities of New York city and county may be safely estimated as not in excess of *one hundred millions of dollars;* and further, the ratio which the liabilities of the city and county at present sustain to their assets and resources, are not likely to be changed for the worse in the future; certainly *not* if the safeguards against corruption and extravagant expenditure, suggested by recent experience, are by the legislature authorized and provided.

## INFLUENCE OF PUBLIC IMPROVEMENTS IN AUGMENTING THE SOURCES OF MUNICIPAL REVENUE.

As bearing upon the question of future municipal liabilities, on account of expenditures for public improvements, it is interesting to note the result which has followed one of the largest single items of expenditure authorized by the city for such purpose, and which, at the time of its inception, was denounced by many as a measure of indefensible extravagance. We refer to the expenditures incurred by reason of the construction of the "Central Park;" the cost of which, up to 1869, is returned at $10,463,965.

Now an examination of all the facts pertaining to this expenditure will show, that so far from its having been a burden upon the city treasury, it has really proved a direct and important source of revenue. Thus in 1856, before the park was commenced, the total valuation of real estate for taxation in the three wards around the park, the 12th, 19th and 22d, was $26,429,566; but in 1866, when the park had been practically completed, the valuation of the same property for assessment was returned at $80,070,415, an increase in ten years of $53,640,850. And further, the revenue received by taxation on this increased valuation, was sufficient, in 1870, to not only pay the interest on all the bonds of the city issued for the park purchase and construction, but actually afforded a surplus of over ($3,000,000) *three millions of dollars;* or a sum sufficient, if used as a sinking fund to pay the entire principal and interest of the cost of the park, in less time than the park was in the course of construction.

## ASSETS AND RESOURCES.

The maximum of the liabilities of the city and county, on account of indebtedness, having been thus estimated, we come next to the no less important consideration of the assets and resources available for the payment of such indebtedness; or the real tangible property which may be properly regarded in the nature of security or guaranty for the payment of such obligations of indebtedness as the city and county of New York may have lawfully issued.

Any valuation of the public property of the city must from necessity be very indefinite, inasmuch as many of the items which would be included in any inventory—as the streets, sewers, lamps, public monuments and the like—are not susceptible of a money valuation; and if attached, would be practically of no benefit in the hands of a city creditor; but apart from these, it cannot be doubted that the

value of the lands and buildings, wharfs, water, ferry and market rights in possession of the city and county, and which can be readily convertible in open market into a money equivalent, is in excess of every present municipal or county indebtedness.

The valuation of the public property of the city of New York, given by the mayor in an official communication to the board of supervisors August 16th, 1871, was $242,985,499.

In this valuation were comprised the following items:

| | |
|---|---|
| Markets | $4,267,374 |
| Sundry lots of land | 2,719,307 |
| Wharfs and piers | 13,322,433 |
| Public parks and squares | 106,416,460 |
| Total | $126,725,574 |

Next to the so-called public property of the city and county, the property most readily available for attachment and levy in case of a default in the payment of the principal or interest of the city's indebtedness, is the real estate of the city and county, the revenue derived from the assessment and taxation of which constitutes also the main element and strength of its municipal credit.

The valuation of this class of property for the year 1871, as returned by the commissioners of taxes and confirmed by the board of supervisors, was $769,306,410. But it ought to be clearly understood that this valuation for tax purposes does not represent any fair valuation of the property assessed, or even an approximation thereto; and in great part for the following reasons:

The taxation required to defray the expenditures of the State, as a whole, is apportioned to the several counties of the State according to their property valuation; and hence there has been for years, and is now, a strife between the different boards of county officials to run down the valuation of property to the very lowest practical figure, in order to divert as large a proportion of the State taxation as possible from themselves and throw it upon their neighbors; and as some of the counties in the interior of the State have been so successful in doing this as to actually reduce their valuation to *thirty*, *twenty*, and even a smaller proportion of the real and true value of the property assessed, a similar course of procedure has been forced upon the tax officials of New York as a matter of necessity and local protection. And thus it has come about, that, instead of the returned assessment valuation of $769,306,410, for 1871–2, representing the true market

value of the real estate of the city and county of New York, in private ownership, it does not, in all probability, represent more than *forty per cent* of such true value; an estimate, which, instead of being a conjecture, is based on a large amount of evidence, recently collected by an expert for the board of commissioners for revising the laws of the State relative to taxation.

The conclusion, therefore, seems warranted, that the value of the real estate of the city of New York—public and private—which may be fairly regarded as an available security for the liquidation of city and county debts, cannot be less than *two thousand million of dollars*, on which the present debt, as above estimated, namely $100,000,000, would be equivalent to a mortgage of five per cent.

In this estimate, it will be observed, that no account has been taken of the valuation of the personal property, owned or held by citizens of the city or county of New York. The amount of such property valued and assessed for the year 1871-2 was $306,947,223. The investigations of the State commissioners lead, however, to the conclusion, that this amount does not represent so much as *twenty* per cent of the real value of this description of property concentrated in the city of New York; or, in other words, that the true value of the personal property of New York city cannot be estimated at less than *fifteen hundred millions.* Much of this property, it must be acknowledged, can never be reached for assessment purposes by any law which the ingenuity of man can devise; or which any civilized people would tolerate in respect to execution, but whether returned for assessment or not, it nevertheless exists, and by increasing the ability to pay, operates to decrease the real burden of taxation imposed on other property of a more tangible and accessible character.

It is also to be noted, that if the new plan of assessing personal property recommended by the State board of commissioners, and which is to be presented this winter to the Legislature in the form of a definite code, is adopted, namely, of doing away with the direct assessment of individuals for personal property, and substituting therefor, as an equivalent the assessment of individuals on a valuation of three times the rent or rental value of the premises by them occupied, the amount or equivalent of such property returned for assessment and taxation will be very greatly increased; and the financial resources of the city be thereby correspondingly augmented.

## Increase of New York in Population and Wealth.

In estimating the prospective ability of the city of New York to sustain and liquidate indebtedness, the recent and prospective increase of the city in population and wealth constitutes an element of not a little importance. Thus, from 1820 to the year preceding the outbreak of the civil war, 1860, the average rate of increase for each successive period of five years was 28 per cent; a continuous rate of growth, probably without precedent, in any country. During the period of the war, or from 1860 to 1865, the population of the city decreased 9¾ per cent. Since 1865, or during the five years from 1865 to 1870 inclusive, the gain in population was 26¾ per cent; thus indicating that the average rate of increase experienced prior to 1860 was again likely to be approximated.

The increase in the valuation of the property of the city and county for assessment purposes, during the *ten* years from 1860 to 1870, was 82½ *per cent.*

The present increase in the value of the real estate of the whole city for assessment purposes, is estimated by experts to average about *five* per cent per annum.

## Relation of Taxation to Population and Property.

It is also interesting to note the relation which taxation sustains to population and property in New York and some of the other leading cities of the country. The following data are derived from the most authentic sources.

*City of New York.*—Population, 1870, 952,292; aggregate State, city, county and school taxes, 1870, $25,403,859; special taxes, as estimated by officials, $2,000,000; total taxation, $27,403,859. Taxation *per capita*, $29.08.

*Boston.*—Population, 1870, 250,526; aggregate of all taxation, 1870, $9,050,420; taxation *per capita*, thirty-six dollars.

*Chicago.*—Population, 1870, 298,977; total taxation, general and special, 1870, $9,256,333; taxation *per capita*, thirty dollars.

But, as in the opinion of some experts, the burdens of taxation in any community are properly represented by the relation which the aggregate of the annual levy of taxes sustains to the value of property assessed, attention is further asked to the following comparisons:

In Boston and Philadelphia real estate is returned for assessment at nearly its full marketable value. On this basis, the relation of taxation to real estate valuation in these two cities, would be as fol-

lows: Boston real estate valuation, 1870, $365,593,100; aggregate taxation, 1870, $9,050,420; ratio of taxation to real property valuation, one to forty.

*Philadelphia.*—Real estate valuation, 1871, $491,844,096; aggregate taxation, 1871, $9,026,753; ratio of taxation to real property valuation, one to fifty-four.

*Cincinnati.*—Real estate valuation as made anew for 1871, $123,427,888; aggregate taxation, 1871, $4,004,035; ratio of taxation to real property valuation, one to thirty.

In the city of New York, on the other hand, on valuation of real estate acknowledged to be only about forty per cent of the real property, the ratio of aggregate taxation to real property valuation would have been in 1870, as one to twenty-seven; but if the valuation of the real estate of New York were advanced in proportion to the value taken for assessment purposes in Boston and Philadelphia, the ratio, instead of being as one to twenty-seven, would be much more favorable than in either of the cities above mentioned, or in the approximative ratio of at least one to sixty-five.

It is therefore evident, that in comparison with the actual accumulated and tangible wealth of the city of New York, any liability, on account of indebtedness, which the city has as yet incurred, or is prospectively likely to incur, is very insignificant; and, with a reasonably honest, efficient and economical government, such as public opinion and legislative authority, guided by recent experience, seems certain to compel, there can be no good reason why the interest bearing debt obligations of the city should not be regarded as the most desirable of investments. I am,

Yours, most respectfully,

DAVID A. WELLS,

*Chairman Board of Commissioners for revision of the Laws of the State of New York, relating to the assessment and collection of Taxes.*

To HON. JOHN T. HOFFMAN,

*Governor of the State of New York.*

I have also received a letter, dated 29th December, 1871, from Hon. Andrew H. Green, comptroller of the city of New York, in which he says:

"Immediate legislation is essential for the maintenance of the credit of the city, by the meeting of the obligations maturing early in

January, and to make provision for past claims which are due and which are of pressing importance. Equally important is prompt legislation to make provision for the maintenance of the government of 1872.

"As the law appears now (Chap. 583, sect. 3 of 1871), no authority exists to make appropriations until May next, leaving the four first months of the year 1872 without any provision by which payments of necessary expenses for these months can be made."

I respectfully ask your immediate attention to those suggestions, and such early legislation with reference to them as may be necessary and proper.

JOHN T. HOFFMAN.

# ANNUAL REPORT

OF THE

# Superintendent of the Banking Department

OF THE

# STATE OF NEW YORK.

TRANSMITTED TO THE LEGISLATURE, JANUARY 2, 1872.

ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

# STATE OF NEW YORK.

No. 7.

# IN ASSEMBLY,

January 2, 1872.

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## ANNUAL REPORT

OF THE

## SUPERINTENDENT OF THE BANKING DEPARTMENT.

STATE OF NEW YORK:

BANK DEPARTMENT,
ALBANY, *January* 2, 1872.

Hon. HENRY SMITH,

*Speaker of the Assembly:*

SIR.—I have the honor to present, through you, to the Legislature the Annual Report of this Department, as required by chapter 164, Laws of 1851.

I am, very respectfully,

Your obedient servant,

D. C. HOWELL,

*Superintendent.*

# REPORT.

BANK DEPARTMENT,
ALBANY, *January* 2, 1872.

*To the Honorable the Legislature of the State of New York:*

During the fiscal year ending September 30, 1871, the following named banking associations filed original certificates of organization, and commenced business under the laws of this State:

Albany County Bank, Albany.
Dry Goods' Bank, New York.
German Bank, Buffalo.
Bank of Haverstraw, Warren.
Bank of the Metropolis, New York.
Ninth Ward Bank, New York.
Security Bank, Watertown.
State Bank of Fort Edward.
Bank of Wappinger's Falls, Wappinger's Falls.

The following, originally State banks, converted into National banks, have, since the passage of the act authorizing the same, dissolved their connection with that system, and organized as banking associations under the Laws of this State, sections 1 and 2, chapter 475, Laws of 1867:

Exchange Bank of Lansingburgh.
Grocers' Bank, New York.
Bank of Lansingburgh.
Mechanics' and Farmers' Bank, Albany.
Merchants' and Mechanics' Bank, Troy.
Bank of North America, New York.
Pacific Bank, New York.
Saratoga County Bank, Waterford.

Since the close of the fiscal year the Bank of Oswego has filed its certificate of organization and commenced business under the banking laws of this State.

Several applications have been made to this department during the

past year from individuals and State officers residing in several of the western, middle and southern States, asking for copies of the general banking laws of this State, for the purpose of revising or preparing new banking laws for their respective States; and an eminent banking house of New York has requested a copy of our State banking laws, to be forwarded to some English bankers. From these circumstances we may reasonably infer that the banking system of this State is entitled to consideration abroad. And I think I may safely add that the system is regarded with favor and confidence by our own citizens, judging from the fact that the number of banks mentioned have been organized during the past fiscal year, notwithstanding the federal prohibitory tax on the circulation of State banks. The privilege of issuing circulating notes appears to have been considered for the past few years of much more importance than formerly to the city banks, and has always been regarded as indispensable to the country banks, to enable them to perform a duty the banks owed to the communities in which they were located; that is, to furnish the means to purchase and market the surplus products of the country, and facilities to carry on manufacturing, commercial and other business interests. In the days when banks were chartered by the Legislature, this was thought to be a very important consideration and had great influence in chartering and locating the banks, thus distributing among our citizens these facilities in localities where they were most needed. The wisdom of such discrimination and the beneficial effects of such facilities, furnished in former times, I have no doubt have been and are familiar to many members of your honorable body.

The opinion in relation to the national banking system, briefly expressed in the last annual report of this department, and the comparison drawn between that system and the one established by the laws of our State, as to the ability of each to promote the business interests of the country, has undergone no change; and I would again respectfully but earnestly call your attention to the subject. I regard the matter as one of great interest to the citizens of our State, and I earnestly recommend that the Legislature call upon our Senators and Representatives in Congress to urge the repeal of the prohibitory tax on the circulation of the State banks, that they may thus be placed in a position to assume their former relations with the business interests of their localities, and to discharge what was regarded as their duty and obligation to the public at the time the system was inaugurated, which result I have no doubt would be accomplished should the tax be removed.

The argument that is so often used in favor of the National and against the State banking system, drawn from the uniformity of the currency issued under the former, which avoids the payment of a discount in certain localities on the notes issued by banks in other States, would hardly apply, of late years, to the banks organized and doing business under the laws of this State, as they were required by law, in addition to redeeming their circulating notes in gold and silver at their counters, to redeem them at a discount of one-quarter of one per cent in the city of New York, the great commercial center of the union. The competition of the city banks for the business of redeeming and returning this circulation to the country banks issuing it, reduced the discount allowed by law much below this figure, in fact to a mere trifle, barely sufficient to cover the labor and expense of handling and paying the express charges on the currency returned. The amount of discount thus received by the country banks on its circulation redeemed in New York was so trifling, and the benefits growing out of par redemption so great to the public at large, by thus insuring to our citizens a currency at par throughout the union, that I apprehend there would be no objection on the part of the banks of our State to the passage of a law, or an amendment of the present one, compelling them to redeem their circulation at par in the city of New York in the event of the repeal by Congress of the prohibitory tax on the circulation of the State banks. With this amendment I should regard our banking system as perfect, and one of which our people would have just reason to be proud. I would respectfully refer your honorable body to the resolutions passed last winter by both the Senate and Assembly on the subject of the repeal of the tax in question.

With the repeal of this tax, which would permit the State banks to resume their relations with the business interests of the country, I have no doubt new banks would be organized in localities requiring banking facilities, and the present ones reorganized and placed upon a footing to enable them to perform the duties formerly expected from them.

Under the national system, currency tends to accumulate in the great business centers; while under the State system, it would constantly return to the interior banks, by which issued, for redemption, to be again paid out in the purchase and marketing of the surplus products of the country, and in furnishing facilities for carrying on the various industrial pursuits of each locality.

The law requiring the redemption of the circulation of the country

banks of this State in New York, and of the former State banks of New England in Boston, I regard as beneficial to the banks, as well as to the communities where they are located. This requirement makes it the interest of the banks to discriminate in their loans in favor of paper made for strictly business purposes, thus loaning their circulation to parties using the funds in a manner enabling them to meet their obligations to the banks promptly, and placing the bank in funds to redeem their circulation as presented at the agency in the city.

With this system of legitimate banking carried out, the country banks would be enabled to furnish from their circulation facilities to a large amount to the business community. Take, for instance, a bank located in the country, with circulating notes to the amount of $100,000. In ordinary times, a circulation of sixty days would be considered satisfactory, and would in effect be the redeeming and paying out by the bank of the $100,000 six times in the course of the year, making $600,000 in facilities furnished to the business community from its $100,000 circulation. I think it cannot be denied that an institution which, under laws permitting it, could be conducted in this manner, would be of great benefit to the locality in which it was situated; and, when our State system was in operation, the banks of this State were generally so conducted.

The condition of the country, at the time of the passage of the law taxing the circulation of the State banks, need not be referred to, as it is familiar to all. The imposition of the tax was regarded by many as a necessary and important measure to enable the government to carry out its financial policy, and raise funds to conduct the war in which it was then engaged; but may it not now be said that the necessity no longer exists, and that many who then regarded it as a necessity, are now of the opinion that a repeal of the tax at this time would aid rather than retard the government in its present effort to fund a portion of its debt? Another forcible argument for the repeal may be found in the fact that the new lines of railroad completed in the last few years, and the various lines now in process of construction, penetrating the interior and remote portions of our State, and furnishing facilities of communication to hitherto isolated regions, have created and will further create, at various points along these lines, new business centers, revolutionize the methods and necessities of business, multiplying the number and enlarging the magnitude of legitimate business transactions, requiring for their accommodation and successful prosecution financial facilities such as banks alone can extend. Conditions like these of growth, expansion

and change, the national banking system is powerless to meet and supply; but that of our own State, once revived and operative, would, judging from the past, meet every emergency thus unprovided for.

Another consideration that may be urged in favor of reviving and extending the banking system of our State, is to be found in the arbitrary limitation of the national banking system to conditions as they existed at the time it was inaugurated, a limitation having in view, at the adoption of the system, considerations of an entirely different character from the ordinary business wants of our people, and in fact leaving them almost entirely out of sight. This naturally arose from the importance of the great questions then engaging the public mind, nearly to the entire exclusion of other subjects. It is unnecessary for me to express my opinion as to how far the national system then adopted was calculated to meet the wants of the people at the time, or to refer to the inequalities of the distribution of banking facilities then made. My present purpose is answered by saying, that it lacks the first and chief requisite of a true national system of finance in the rigid inflexibility of its methods, in its lack of adaptation to the business wants of a growing, diversified and changing population, with new and ever varying conditions, wrought out from experiences incident to great resources comparatively dormant and undeveloped, awaiting a growing population and concentration of capital to transform and utilize them, and thus fails to reach and supply the wants of our people.

I think it will be conceded that the tendency of things the past few years has been towards the concentration of the business interests of our people in a few hands, which has heretofore been regarded as prejudicial to the interests of the masses; and few will be found to doubt that the centralization of power, either political or of a business character, is contrary to the spirit of our republican form of government and detrimental to the well being of the masses. The fostering and encouraging, as far as practicable and consistent by legislative enactments, of the varied industrial pursuits of our people seems most desirable; for the more diversified such pursuits are, the less liable we are to be seriously affected by the financial changes and revulsions with which we are so frequently visited, and from which we have no reason to expect immunity in the future.

Without any disposition on my part to enter into a political argument on this subject, upon which there has been and still exists such a wide difference of opinion, and disavowing all intention of treating the matter other than in a purely business way in calling your atten-

tion to a comparison of the two systems, I would respectfully refer the subject to the consideration of your honorable body, satisfied that it will receive from your hands the attention which its importance demands.

The amount of bank notes returned to the department and burned during the year was $47,777, of which $30,914 had been issued by banking associations and individual bankers, and $16,863 by incorporated or safety fund banks. Twelve banks have been credited with unredeemed circulation to the amount of $64,725, the time for redemption having expired; this amount, together with the notes burned, making an aggregate of $112,502 canceled circulation.

The circulating notes outstanding on the 1st day of October were, by the books of this department, $2,141,435.50; of which, $1,383,525 was secured by deposits of stocks, bonds and mortgages and cash, and $757,910.50 was issued by incorporated or safety fund banks that were not required, under their original charters, to make a deposit for the protection of their circulation.

The securities of all kinds held by the superintendent were, on the first day of October, $2,580,959.61, of which $2,055,580.63, were held for banks, and $525,378.98 were held for trust companies.

During the last fiscal year this department received from S. G. Austin, receiver of the late Commercial Bank of Buffalo, the sum of $19,903.40, being the amount paid on two judgments against Rawdon and Groesbeck, under an agreement made with said receiver by Hon. H. H. Van Dyck, late superintendent of this department. On the 20th day of December last, the superintendent paid over to the State treasurer the sum of $20,453.54, being the amount so received as stated above, with the interest thereon, since it was paid over to this department. For the state of the account with the treasurer, after paying over this fund, see explanatory note at foot of table No. 10.

The Bank of Trumansburg failed during the last fiscal year, and passed into the hands of a receiver.

For a fuller exposition of the condition of each bank and of this department, reference is made to the tables accompanying this report.

The names of the clerks employed, and the salaries paid at the date of this report, will be found in table No. 11, the salaries being fixed at the amount named, and without the additional legislative percentage allowed to deputies and clerks in other departments.

Respectfully submitted.

D. C. HOWELL,
*Superintendent.*

# TABLES

ACCOMPANYING THE

# ANNUAL REPORT OF THE SUPERINTENDENT OF THE BANKING DEPARTMENT FOR 1871.

## TABLE No. 1,

*Showing the aggregates of the securities held and the total circulation issued and outstanding at the close of the fiscal year ending September* 30, 1871.

The total amount of outstanding circulation issued to banking associations, individual bankers, and late incorporated banks whose circulation is secured, and the amount and character of the securities deposited and held in trust for its redemption, were as follows, viz.:

| | | |
|---|---|---|
| Outstanding circulation | | $1,383,525 00 |
| SECURITIES. | | |
| Bonds and mortgages | | 42,720 00 |
| New York State stocks, 5 per cent | $87,600 00 | |
| do do 6 per cent | 491,550 00 | |
| do do 7 per cent | 139,000 00 | |
| | | 718,150 00 |
| United States stocks, 5 per cent | $6,000 00 | |
| do do 6 per cent | 298,100 00 | |
| | | 304,100 00 |
| Cash | | 990,610 63 |
| | | $2,055,580 63 |
| Aggregate of securities held in trust for banks Sept. 30, 1870 | | 2,145,909 65 |
| Decrease during the year | | $90,329 02 |
| Amount of secured circulation Sept. 30, 1870 | | $1,474,640 00 |
| Amount of secured circulation Sept. 30, 1871 | | 1,383,525 00 |
| Decrease during the year | | $91,115 00 |
| Amount of circulation, unsecured, charged to incorporated banks, Sept. 30, 1870 | | $779,297 50 |
| Amount of circulation, unsecured, charged to incorporated banks, Sept. 30, 1871 | | 757,910 50 |
| Decrease during the year | | $21,387 00 |

The following are names of trust companies, and the amounts and kinds of securities held in trust for the same:

| | |
|---|---|
| Buffalo Trust Company, cash | $378 98 |
| Brooklyn Trust Company, United States stock, 6 per cent | 150,000 00 |
| Carried forward | $150,378 98 |

| | |
|---|---|
| Brought forward | $150,378 98 |
| National Trust Company, New York, United States stock, 6 per cent | 100,000 00 |
| Trust and Deposit Company of Onondaga, United States stock, 6 per cent | 75,000 00 |
| Union Trust Company, New York, United States stock, 6 per cent | 100,000 00 |
| United States Trust Company, New York, Auburn city stock, 7 per cent | 100,000 00 |
| | $525,378 98 |

Increase and decrease in the several kinds of securities during the fiscal year:

| | | |
|---|---|---|
| Decrease in bonds and mortgages | | $15,006 00 |
| do N. Y. 5 per cent stock | | 34,000 00 |
| do N. Y. 6 per cent stock | | 6,400 00 |
| Increase in N. Y. 7 per cent stock | $12,000 00 | |
| do U. S. 6 per cent stock | 21,500 00 | |
| Decrease in Illinois 6 per cent stock | | 20,000 00 |
| do cash | | 48,423 02 |
| Decrease | | $123,829 02 |
| Increase | | 33,500 00 |
| Total decrease in securities | | $90,329 02 |
| Total decrease in circulation | | $112,502 00 |

## Recapitulation.

### *Securities.*

| | |
|---|---|
| Held for banking associations, individual banks and incorporated banks | $2,055,580 63 |
| For trust companies | 525,378 98 |
| | $2,580,959 61 |

### *Circulation.*

| | |
|---|---|
| Secured circulation | $1,383,525 00 |
| Unsecured circulation | 757,910 50 |
| | $2,141,435 50 |

# TABLE No. 2.

*Banks doing business under the laws of the State, September* 30, 1871, *with the amount of circulation charged to and securities held for each, not included in either of the tables referred to in the notes below.*

| NAMES OF BANKS. | Location. | Capital. | New York State Stocks. | | | U. S. Stocks. | Bonds and mortgages. | Total. | Circulation. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Five per cent. | Six per cent. | Seven per cent. | Six per cent. | | | |
| Bank of America* | New York | $3,000,000 | | | | | | | |
| Albany County Bank | Albany | 200,000 | | | $5,000 | | | $5,000 00 | |
| Bank of Attica | Buffalo | 250,000 | | $4,000<br>$181,92 | | | | 4,181 92 | $4,134 |
| Brooklyn Bank* | Brooklyn | 300,000 | | | | | | | |
| Bulls Head Bank* | New York | 200,000 | | | | | | | |
| Central Bank, Westchester County | White Plains | 100,000 | | | | $5,000 | | 5,000 00 | |
| Bank of Chenango* | Norwich | 150,000 | | | | | | | |
| City Bank of Oswego | Oswego | 276,400 | $3,600 | | | | $3,500 | 7,100 00 | 6,325 |
| Commercial Bank, Brooklyn | Brooklyn | 100,000 | | 5,000 | | | | 5,000 00 | |
| Corn Exchange Bank* | New York | 1,000,000 | | | | | | | |
| Bank of Cortland | Cortland | 150,000 | | | | 5,000 | | 5,000 00 | |
| Bank of Dansville* | Dansville | 25,270 | | | | | | | |
| Dry Goods Bank | New York | 1,000,000 | | | | 5,000 | | 5,000 00 | |
| Eleventh Ward Bank | New York | 200,000 | | 5,000 | | | | 5,000 00 | |
| Exchange Bank of Lansingburgh | Lansingburgh | 100,000 | | | 5,000 | | | 5,000 00 | |
| Farmers' Bank | Fayetteville | 100,000 | | | | 5,000 | | 5,000 00 | |
| Fulton Bank | Brooklyn | 200,000 | | | 5,000 | | | 5,000 00 | |
| German-American Bank | New York | 1,000,000 | | 5,000 | | | | 5,000 00 | |
| German Bank | Buffalo | 100,000 | | | | 5,000 | | 5,000 00 | |
| Germania Bank | New York | 200,000 | | 5,000 | | | | 5,000 00 | |
| Greenwich Bank | New York | 200,000 | | 10,000 | | | | 10,000 00 | 3,500 |
| Grocers' Bank† | New York | 300,000 | | 5,000 | | | | 5,000 00 | |
| Harlem Bank | New York | 100,000 | | | | 5,000 | | 5,000 00 | |
| Bank of Haverstraw | Haverstraw | 100,000 | | 5,000 | | | | 5,000 00 | |
| Henry D. Barto & Co.'s Bank | Trumansburgh | 20,000 | | 500 | | | | 500 00 | 338 |
| H. G. Hotchkiss & Co.'s Bank | Lyons | | | 3,000 | | | 920 | 3,920 00 | 3,813 |
| Bank of Lansingburgh† | Lansingburgh | 150,000 | | | 5,000 | | | 5,000 00 | |
| Long Island Bank | Brooklyn | 400,000 | | | 3,000 | 10,000 | | 13,000 00 | 7,537 |
| Manhattan Company, incorporated‡ | New York | 2,050,000 | | | | | | | |
| Manufacturers' and Builders' Bank | New York | 100,000 | | 5,000 | | | | 5,000 00 | |
| Manufacturers' and Merchants' Bank | New York | 500,000 | 15,000 | | | | | 15,000 00 | 677 |
| Manufacturers' and Traders' Bank* | Buffalo | 900,000 | | | | | | | |
| Marine Bank* | Buffalo | 200,000 | | | | | | | |
| Mechanics' Bank | Brooklyn | 500,000 | | | 10,000 | | | 10,000 00 | 7,000 |
| Mechanics' and Farmers' Bank† | Albany | 350,000 | | 5,000 | | | | 5,000 00 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Mechanics' and Traders' Bank | Brooklyn | 100,000 | | | 5,000 | | | 5,000 00 | |
| Merchants' and Mechanics' Bank† | Troy | 300,000 | | | | 5,000 | | 5,000 00 | |
| Merchants' Bank | Watertown | 150,000 | | | 5,000 | | | 5,000 00 | |
| Bank of the Metropolis | New York | 500,000 | | | | 5,000 | | 5,000 00 | |
| Bank of Monroe | Rochester | 100,000 | | | | 5,000 | | 5,000 00 | |
| Murray Hill Bank | New York | 200,000 | | | 5,000 | | | 5,000 00 | |
| Mutual Bank | New York | 106,150 | | 5,000 | | | | 5,000 00 | |
| Nassau Bank | New York | 1,000,000 | | | 4,000 | | | 4,000 00 | 4,000 |
| New York and Erie Bank | Buffalo | 300,000 | | 5,000 | | | | 5,000 00 | 4,255 |
| New York Gold Exchange Bank | New York | 500,000 | | | 10,000 | | | 10,000 00 | |
| Ninth Ward Bank | New York | 200,000 | | | | 5,000 | | 5,000 00 | |
| Bank of North America† | New York | 1,000,000 | | 5,000 | | | | 5,000 00 | |
| North River Bank* | New York | 400,000 | | | | | | | |
| Oneida County Bank | Utica | 125,000 | | | 2,000 | | 1,600 | 3,600 00 | 3,190 |
| Oriental Bank* | New York | 300,000 | | | | | | | |
| Pacific Bank† | New York | 422,700 | | | | 5,000 | | 5,000 00 | |
| Peoples' Bank | New York | 412,500 | | 7,000 | | | | 7,000 00 | 6,483 |
| Phœnix Bank | Phœnix | 100,000 | | | | 5,000 | | 5,000 00 | |
| Saratoga County Bank† | Waterford | 150,000 | | 5,000 | | | | 5,000 00 | |
| Schenectady Bank* | Schenectady | 100,000 | | | | | | | |
| Security Bank | New York | 500,000 | | | 5,000 | | | 5,000 00 | |
| Security Bank | Watertown | 100,000 | | | 5,000 | | | 5,000 00 | |
| Bank of Silver Creek* | Silver Creek | 100,000 | | | | | | | |
| Bank of Skaneateles | Skaneateles | 100,000 | | 5,000 | | | | 5,000 00 | |
| State Bank | Fort Edward | 100,000 | | | 5,000 | | | 5,000 00 | |
| State Bank | Olean | 100,000 | | | 5,000 | | | 5,000 00 | |
| Steuben County Bank* | Bath | 150,000 | | | | | | | |
| Stuyvesant Bank | New York | 200,000 | | 5,000 | | | | 5,000 00 | |
| Susquehanna Valley Bank | Binghamton | 100,000 | | 5,000 | | | | 5,000 00 | 3,356 |
| Union Bank | Medina | 100,000 | | | 2,000 | | | 2,000 00 | 1,100 |
| Wall Street Exchange Bank | New York | 23,000 | | 5,000 | | | | 5,000 00 | |
| Bank of Wappinger's Falls | Wappinger's Falls | 100,000 | | | | 5,000 | | 5,000 00 | |
| West Side Bank | New York | 200,000 | | | 5,000 | | | 5,000 00 | |
| White's Bank* | Buffalo | 200,000 | | | | | | | |

* Closing their circulation account under section 4, chapter 475, Laws of 1867. See Table No. 3 or 4 for securities and circulation.
† Reorganized under chapter 475, Laws of 1867. See Table No. 3 or 4.
‡ See Table No. 6.
§ Cash.

# TABLE No. 3.

*Closing banks that have made a final deposit of stocks for the redemption of their notes, with the names of the redeeming agents, the securities and the circulation, September 30th, 1871, and the time when the redemption of their notes will expire.*

| NAMES OF BANKS. | Location. | Redeeming Banks. | Location. | New York State Stocks. | | U. S. stock, six per cent. | Total. | Circulation. | Expiration of time for redempt'n. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Six per cent. | Seven per cent. | | | | |
| | | | | | | | | | 1872. |
| 1. Albany Exchange Bank | Albany | Merchants' National Bank | Albany | ..... | ..... | $11,000 | $11,000 00 | $5,486 | Sept. 14 |
| | | | | | | | | | 1873. |
| 2. Chester Bank | Chester | New York Exchange Nat'l B'k. | New York | $5,000 | Cash $774 64 | ..... | 5,774 64 | 4,588 | April 16 |
| 3. Highland Bank | Newburgh | Nassau Bank | do | 1,000 | ..... | ..... | 1,000 00 | 673 | April 18 |
| 4. Flour City Bank | Rochester | New York State National Bank | Albany | 5,000 | ..... | ..... | 5,000 00 | 3,400 | April 19 |
| 5. Briggs' Bank, of Clyde | Clyde | Ninth National Bank | New York | ..... | ..... | 5,000 | 5,000 00 | 2,055 | April 20 |
| 6. Bank of Lansingburgh * | Lansingburgh | National Park Bank | do | ..... | 6,000 00 | ..... | 6,000 00 | 3,600 | May 1 |
| 7. Bank of Newburgh | Newburgh | Central National Bank | do | 9,500 | ..... | ..... | 9,500 00 | 7,376 | May 3 |
| 8. Bank of Albion | Albion | Atlantic National Bank | do | ..... | ..... | 8,000 | 8,000 00 | 6,400 | May 17 |
| 9. Mohawk Bank | Schenectady | Albany City National Bank | Albany | 8,000 | ..... | ..... | 8,000 00 | 3,345 | May 22 |
| 10. Cuyler's Bank | Palmyra | do | do | 10,000 | ..... | ..... | 10,000 00 | 7,760 | May 24 |
| 11. Ballston Spa Bank | Ballston | do | do | ..... | ..... | 7,000 | 7,000 00 | 5,600 | May 24 |
| 12. Chittenango Bank | Chittenango | Merchants' National Bank | do | 4,000 | ..... | ..... | 4,000 00 | 2,511 | June 14 |
| 13. Judson Bank | Ogdensburgh | Fourth National Bank | New York | 5,000 | ..... | ..... | 5,000 00 | 4,000 | June 19 |
| 14. Tanners' Bank | Catskill | Union National Bank | do | 1,000 | ..... | ..... | 1,000 00 | 480 | June 21 |
| 15. Bank of Norwich | Norwich | Metropolitan National Bank | do | 4,000 | ..... | ..... | 4,000 00 | 2,552 | July 9 |
| 16. Oswegatchie Bank | Ogdensburgh | National Park Bank | do | ..... | 5,000 00 | ..... | 5,000 00 | 3,349 | July 15 |
| 17. Hamilton Bank | Hamilton | American Exchange Nat'l B'k. | do | 7,000 | ..... | ..... | 7,000 00 | 2,000 | July 25 |
| 18. Leonardsville Bank | Leonardsville | Merchants' National Bank | Albany | ..... | ..... | 2,000 | 2,000 00 | 1,605 | July 26 |
| 19. Farmers' Bank, of Attica | Batavia | National Park Bank | New York | ..... | ..... | 3,000 | 3,000 00 | 2,182 | August 13 |
| 20. Central Bank, at Cherry Valley | Cherry Valley | Mechanics' and Farmers' Bank | Albany | ..... | ..... | 5,000 | 5,000 00 | 3,095 | August 29 |
| 21. Mechanics' Bank | New York | do | do | 13,000 | ..... | ..... | 13,000 00 | 10,302 | Sept. 7 |
| 22. Union Bank | Watertown | New York State National Bank | do | ..... | ..... | 5,000 | 5,000 00 | 3,858 | October 15 |
| 23. Lake Ontario Bank | Oswego | Albany City National Bank | do | 3,000 | ..... | 1,000 | 4,000 00 | 2,809 | October 16 |
| 24. Marine Bank * | Buffalo | Metropolitan National Bank<br>Mechanics' & Farmers' Bank | New York<br>Albany | ..... | ..... | 6,000 | 6,000 00 | 4,769 | October 28 |
| 25. Commercial Bank | Saratoga Sp'gs | Albany City National Bank | do | ..... | ..... | 4,000 | 4,000 00 | 1,700 | October 29 |
| 26. Fort Stanwix Bank | Rome | American Exchange Nat'l B'k. | New York | 10,000 | ..... | ..... | 10,000 00 | 6,684 | Nov. 16 |
| 27. Union Bank | Rochester | Albany City National Bank | Albany | ..... | ..... | 9,000 | 9,000 00 | 6,774 | Nov. 25 |
| | | | | | | | | | 1874. |
| 28. Wooster Sherman's Bank | New York | Manufacturers' & Merch'ts' B'k | New York | 5,000 | ..... | ..... | 5,000 00 | 4,000 | Jan. 2 |
| 29. Mutual Bank | Troy | National Park Bank<br>Mutual National Bank | do<br>Troy | 5,000 | ..... | 1,000 | 6,000 00 | 4,500 | Jan. 8 |
| 30. Genesee Valley Bank | Geneseo | Central National Bank | New York | 5,000 | ..... | ..... | 5,000 00 | 3,621 | Jan. 13 |
| 31. Farmers' Bank † | Amsterdam | Albany City National Bank | Albany | 40,000 | ..... | ..... | 40,000 00 | 4,715 | Jan. 18 |
| 32. Canastota Bank | Canastota | do | | 5,000 | ..... | ..... | 5,000 00 | 2,600 | Feb. 7 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 33. Lake Shore Bank | Dunkirk | Metropolitan National Bank | New York | | | 3,300 | 3,300 00 | 3,307 | Feb. 8 |
| 34. Black River Bank | Watertown | New York State National Bank | Albany | | | 8,000 | 8,000 00 | 4,765 | Feb. 24 |
| 35. Watertown Bank and Loan Comp.† | Watertown | Albany City National Bank | do | | | 4,300 | 4,300 00 | 3,400 | March 14 |
| 36. Bank of Auburn | Auburn | New York State National Bank | do | 8,000 | | | 8,000 00 | 5,357 | March 25 |
| 37. Quassaick Bank | Newburgh | National Park Bank | New York | | | 6,000 | 6,000 00 | 4,171 | March 25 |
| 38. Corn Exchange Bank * | New York | Corn Echange Bank | do | 9,000 | | | 9,000 00 | 6,000 | March 28 |
| 39. Bank of Westfield | Westfield | Ninth National Bank | do | 2,000 | | 3,000 | 5,000 00 | 3,800 | April 15 |
| 40. Bank of Bath | Bath | National Bank of No. America | do | 5,000 | | | 5,000 00 | 2,509 | April 18 |
| 41. Bank of Utica | Utica | Albany City National Bank | Albany | 8,000 | | | 8,000 00 | 6,338 | April 25 |
| 42. Union Bank | Troy | do | do | | | 5,000 | 5,000 00 | 3,900 | April 30 |
| 43. Oneida Valley Bank | Oneida | New York State National Bank | do | | | 4,500 | 4,500 00 | 2,933 | May 5 |
| 44. Unadilla Bank | Unadilla | do | do | 12,250 | | | 12,250 00 | 12,250 | May 12 |
| 45. Bank of Port Jervis | Port Jervis | Hanover National Bank | New York | | | 5,000 | 5,000 00 | 3,534 | May 13 |
| 46. Bank of Vernon | Vernon | Atlantic National Bank | do | | | 4,000 | 4,000 00 | 3,195 | May 16 |
| 47. Hungerford's Bank | Adams | New York State National Bank | Albany | | Cash 803 91 | 6,000 | 6,803 91 | 5,415 | May 19 |
| 48. J. N. Westfall & Co.'s Bank | Jordan | National Park Bank | New York | | | 1,000 | 1,000 00 | 724 | June 10 |
| 49. Spraker Bank | Canajoharie | Albany City National Bank | Albany | | 4,000 00 | | 4,000 00 | 2,606 | June 24 |
| 50. Otsego County Bank | Cooperstown | Mechanics' and Farmers' Bank | do | | | 5,000 | 5,000 00 | 3,593 | July 18 |
| 51. Deposit Bank | Deposit | Metropolitan National Bank | New York | 5,000 | | | 5,000 00 | 3,700 | July 29 |
| 52. Bank of Watertown | Watertown | National Currency Bank | do | | 7,000 00 | | 7,000 00 | 5,600 | Sept. 19 |
| 53. Bank of Poughkeepsie | Poughkeepsie | Mercantile National Bank | do | 8,000 | | | 8,000 00 | 2,810 | Sept. 19 |
| 54. Farmers' and Manufacturers' Bank | Poughkeepsie | Phenix National Bank | do | | | 1,000 | 1,000 00 | 585 | October 22 |
| 55. Middletown Bank | Middletown | National Park Bank | do | | | 5,000 | 5,000 00 | 3,659 | October 24 |
| 56. Schenectady Bank * | Schenectady | National Commercial Bank | Albany | | | 1,000 | 1,000 00 | 610 | October 26 |
| 57. Mohawk River Bank | Fonda | New York State National Bank | do | | 3,000 00 | | 3,000 00 | 1,980 | Nov. 5 |
| 58. Jefferson County Bank | Watertown | Albany City National Bank | do | | | 7,000 | 7,000 00 | 4,373 | Nov. 20 |
| | | | | | | | | | 1875. |
| 59. O. Paddock & Co.'s Bank | Watertown | New York State National Bank | do | | | 1,000 | 1,000 00 | 673 | Feb. 16 |
| 60. Farmers' & Drovers' Bank | Somers | Merchants' Exchange Nat'l B'k | New York | 2,500 | | | 2,500 00 | 1,698 | March 2 |
| 61. Lyons Bank | Lyons | Albany City National Bank | Albany | | | 6,000 | 6,000 00 | 4,575 | May 24 |
| | | | | | | | | | 1876. |
| 62. Bank of Chemung | Elmira | Metropolitan National Bank | New York | | 5,000 00 | | 5,000 00 | 3,870 | Feb. 21 |
| 63. Oriental Bank | New York | Oriental Bank | do | 10,000 | | | 10,000 00 | 4,600 | April 9 |
| | | | | | | | | | 1877. |
| 64. Catskill Bank | Catskill | Nat'l B'k of the Commonwealth | do | | | 2,000 | 2,000 00 | 1,397 | March 15 |
| 65. Bank of Cayuga Lake | Painted Post | National Park Bank | do | | | 6,500 | 6,500 00 | 4,954 | June 12 |
| 66. Bank of Silver Creek * † | Silver Creek | Albany City National Bank | Albany | | | 20,000 | 20,000 00 | 7,000 | Sept. 19 |

## *Late Incorporated Banks.*

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 1873. |
| 67. Highland Bank | Newburgh | Nassau Bank | New York | 12,000 | | | 12,000 00 | 9,461 | April 18 |
| 68. Bank of Lansingburgh | Lansingburgh | National Park Bank | do | | 9,000 00 | | 9,000 00 | 6,444 | May 1 |
| 69. Tanners' Bank | Catskill | Union National Bank | do | 9,000 | | | 9,000 00 | 6,129 | June 21 |
| | | | | | | | | | 1874. |
| 70. Bank of Salina | Syracuse | Albany City National Bank | Albany | | | 11,500 | 11,500 00 | 9,031 | Feb. 11 |
| 71. Bank of Owego | Owego | Metropolitan National Bank | New York | | | 11,000 | 11,000 00 | 8,867 | May 8 |
| 72. Bank of Poughkeepsie | Poughkeepsie | Mercantile National Bank | do | | | 10,000 | 10,000 00 | 7,637 | Sept. 19 |
| 73. Farmers' and Manufacturers' Bank | Poughkeepsie | Phenix National Bank | do | | | 14,500 | 14,500 00 | 11,496 | October 22 |

* See Table No. 2.

† These banks have other securities in the Department, forming no part of the deposit required by law.

## TABLE No. 4.

*Closing banks that have made a final deposit of cash for the redemption of their notes, with the names of redeeming agents, the amount of cash held for, and amount of circulation charged to each, on the 30th of September, 1871, and the expiration of time for redemption.*

| NAMES OF BANKS. | Location. | Names of Redeeming Banks. | Location. | Amount of cash on deposit. | Circulation. | Expiration of time for redemption. |
|---|---|---|---|---|---|---|
| | | | | | | 1871. |
| 74. Merchants' Bank | New York | Mechanics' and Farmers' Bank | Albany | | | |
| | | New York State National Bank | do | $4,075 00 | $4,075 00 | October 3 |
| | | Merchants' National Bank | New York | | | |
| 75. Manufacturers' Bank | Troy | Mechanics' and Farmers' Bank | Albany | 3,139 00 | 3,139 00 | October 7 |
| | | | | | | 1872. |
| 76. Bank of Saratoga Springs | Saratoga Springs | New York State National Bank | Albany | 3,590 00 | 3,590 00 | January 20 |
| 77. Market Bank | Troy | Mechanics' and Farmers' Bank | do | 3,901 69 | 3,169 00 | January 31 |
| 78. Croton River Bank | South East | New York State National Bank | do | 6,324 72 | 4,966 00 | February 1 |
| 79. Bank of West Troy | West Troy | First National Bank | do | | | |
| | | National Bank of West Troy | West Troy | 4,000 00 | 4,000 00 | February 16 |
| 80. R. M. Goddard & Co.'s Bank | Canton | Merchants' National Bank | Albany | 310 48 | 359 00 | March 14 |
| 81. Union Bank | Albany | Albany City National Bank | do | 2,800 00 | 2,800 00 | March 20 |
| 82. Bank of North America † | New York | New York State National Bank | do | | | |
| | | National Bank of North America | New York | 5,284 00 | 4,018 00 | March 24 |
| 83. Mercantile Bank | do | New York State National Bank | Albany | 2,743 00 | 2,743 00 | April 14 |
| 84. East River Bank | do | do do | do | 5,295 00 | 5,295 00 | April 23 |
| 85. Citizens' Bank | do | do do | do | 5,998 00 | 5,998 00 | April 23 |
| 86. Market Bank | do | do do | do | 7,500 00 | 7,300 00 | April 23 |
| 87. National Bank | do | National Commercial Bank | do | | | |
| | | Gallatin National Bank | New York | 1,235 00 | 1,235 00 | April 23 |
| 88. Bank of New York | do | Mechanics' and Farmers' Bank | Albany | 8,683 00 | 8,683 00 | April 25 |
| 89. Phenix Bank | do | New York State National Bank | do | 5,330 00 | 5,330 00 | April 25 |
| 90. Ocean Bank | do | do do | do | 4,402 60 | 4,402 00 | April 26 |
| 91. Chatham Bank | do | do do | do | 3,953 00 | 3,883 00 | April 28 |
| 92. Pacific Bank † | do | do do | do | 5,001 00 | 5,001 00 | May 1 |
| 93. Park Bank | do | do do | do | 8,000 00 | 7,000 00 | June 11 |
| 94. Bank of the Commonwealth | do | do do | do | 6,127 00 | 6,127 00 | June 21 |
| 95. Mercantile Bank | Plattsburgh | do do | do | 2,775 52 | 2,269 00 | June 23 |
| 96. Wyoming County Bank | Warsaw | do do | do | 3,159 20 | 2,954 00 | June 25 |
| 97. Merchants' and Mechanics' Bank † | Troy | do do | do | 3,830 14 | 3,320 00 | June 29 |
| 98. Oswego River Bank | Fulton | Albany City National Bank | do | 1,915 36 | 1,661 00 | July 6 |
| 99. Fort Plain Bank | Fort Plain | New York State National Bank | do | 5,924 70 | 4,733 00 | August 9 |
| 100. Genesee County Bank | Le Roy | do do | do | 5,281 34 | 4,226 00 | August 11 |
| 101. Stissing Bank | Pine Plains | do do | do | 1,146 30 | 1,016 00 | August 15 |
| 102. Bank of Rhinebeck | Rhinebeck | do do | do | 904 31 | 799 00 | August 21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 103. Elmira Bank | Elmira | New York State National Bank | Albany | 2,066 00 | 2,066 00 | Sept. 5 |
| 104. Bank of Fayetteville | Fayetteville | Merchants' National Bank | do | 2,682 00 | 2,682 00 | Sept. 12 |
| 105. Bank of Salem | Salem | New York State National Bank | do | 2,764 08 | 2,353 00 | Sept. 12 |
| 106. State Bank | Troy | do do | do | 4,386 00 | 4,386 00 | Sept. 13 |
| 107. Citizens' Bank | Fulton | do do | do | 3,769 00 | 3,769 00 | Sept. 15 |
| 108. Merchants' Bank | Albany | National Albany Exchange Bank | do | 2,453 00 | 2,453 00 | Sept. 15 |
| 109. New York County Bank | New York | New York State National Bank | do | 6,300 00 | 6,300 00 | Sept. 22 |
| 110. Rome Exchange Bank | Rome | do do | do | 4,657 00 | 4,657 00 | Sept. 28 |
| 111. Worthington Bank | Cooperstown | do do | do | 2,725 54 | 2,052 00 | October 1 |
| 112. Marine Bank | Oswego | Merchants' National Bank | do | 2,903 00 | 2,903 00 | October 6 |
| 113. Bank of Kinderhook | Kinderhook | New York State National Bank | do | 6,087 00 | 6,087 00 | October 6 |
| 114. Merchants' Exchange Bank | New York | do do | do | 2,998 00 | 2,998 00 | October 9 |
| 115. Glen's Falls Bank | Glen's Falls | Merchants' National Bank | do | 6,405 27 | 5,225 00 | October 13 |
| 116. Union Bank | Kinderhook | New York State National Bank | do | 4,957 00 | 4,957 00 | October 15 |
| 117. Shoe and Leather Bank | New York | do do | do | 8,000 00 | 8,000 00 | October 16 |
| 118. Bank of Old Saratoga | Schuylerville | do do | do | 2,033 13 | 1,826 00 | October 19 |
| 119. Lincoln Bank | Clinton | do do | do | 2,078 00 | 2,078 00 | October 20 |
| 120. Bank of Ulster | Saugerties | do do | do | 5,295 00 | 5,295 00 | October 20 |
| 121. Bank of Orangetown | Orangetown | do do | do | 2,445 00 | 2,445 00 | October 26 |
| 122. Atlantic Bank | New York | do do | do | 6,600 00 | 6,600 00 | October 29 |
| 123. Irving Bank | do | do do | do | 3,700 00 | 3,700 00 | October 29 |
| 124. Merchants' and Farmers' Bank | Ithaca | National Albany Exchange Bank | do | 5,116 00 | 5,116 00 | October 31 |
| 125. Farmers' and Citizens' Bank, L. I. | Brooklyn | New York State National Bank | do | 6,932 00 | 6,932 00 | November 1 |
| 126. Williamsburgh City Bank | Williamsburgh | Merchants' National Bank | do | 11,949 00 | 11,949 00 | November 2 |
| 127. Smith's Bank of Perry | Mount Morris | Albany City National Bank | do | 1,137 65 | 1,066 00 | November 3 |
| 128. Chautauqua County Bank | Jamestown | New York State National Bank | do | 1,699 91 | 642 00 | November 5 |
| 129. Bank of Coxsackie | Coxsackie | Merchants' National Bank | do | 2,971 63 | 2,502 00 | November 7 |
| 130. Dover Plains Bank | Dover | New York State National Bank | do | 1,260 00 | 1,260 00 | November 8 |
| 131. Farmers' Bank | Hudson | do do | do | 4,025 00 | 4,025 00 | November 9 |
| 132. Cambridge Valley Bank | Nth. White Creek | Merchants' National Bank | do | 1,783 00 | 1,783 00 | November 15 |
| 133. Genesee River Bank | Mount Morris | New York State National Bank | do | 2,764 00 | 2,764 00 | November 17 |
| 134. Mechanics' Bank | Syracuse | Albany City National Bank | do | 3,349 00 | 3,349 00 | November 19 |
| 135. Washington County Bank | Greenwich | Union National Bank | do | 5,416 09 | 4,235 00 | November 19 |
| 136. Bank of Pawling | Pawling | New York State National Bank | do | 4,056 00 | 4,056 00 | November 28 |
| 137. Farmers' Bank | Troy | do do | do | 3,326 00 | 3,326 00 | December 12 |
| 138. Bank of Troy | do | do do | do | 1,404 00 | 1,404 00 | December 12 |
| 139. Bank of Lima | Lima | do do | do | 1,682 00 | 1,682 00 | December 13 |
| 140. Buffalo City Bank | Buffalo | Merchants' National Bank | do | 4,406 00 | 4,406 00 | December 18 |
| 141. Butchers' and Drovers' Bank | New York | New York State National Bank | do | 4,350 00 | 4,350 00 | December 24 |
| 142. J. T. Raplee's Bank | Penn Yan | Bank Dep't, at 20 cts. on the dollar | do | 389 41 | 1,393 00 | December 24 |
| 143. Mechanics' and Farmers' Bank† | Albany | New York State National Bank | do | 6,073 00 | 6,073 00 | December 28 |
| 144. New York State Bank | do | Mechanics' and Farmers' Bank | do | 2,600 00 | 2,600 00 | December 28 |
| 145. North River Bank† | New York | do do | do | 12,000 00 | 12,000 00 | December 31 |
| | | | | | | 1876. |
| 146. Setauket Bank | Setauket | New York State National Bank | do | 3,177 00 | 3,177 00 | January 2 |
| 147. Salt Springs Bank | Syracuse | Albany City National Bank | do | 4,072 65 | 3,189 00 | January 3 |
| 148. Alonzo Wood & Co.'s Bank | Elbridge | Merchants' National Bank | do | 562 30 | 599 00 | January 11 |
| 149. Burnet Bank | Syracuse | do do | do | 2,951 09 | 2,665 00 | January 11 |
| 150. Merchants' Bank | Westfield | New York State National Bank | do | 2,546 00 | 2,546 00 | January 11 |
| 151. Grocers' Bank† | New York | do do | do | 2,148 27 | 1,895 00 | January 15 |

TABLE No. 4—(*Continued*).

| NAMES OF BANKS. | Location. | Names of Redeeming Banks. | Location. | Amount of cash on deposit. | Circulation. | Expiration of time for redemption. |
|---|---|---|---|---|---|---|
| | | | | | | 1873. |
| 152. Steuben County Bank† | Bath | New York State National Bank | Albany | $274 00 | $274 00 | January 16 |
| 153. Lake Bank | Skaneateles | Merchants' National Bank | do | 769 21 | 716 00 | January 24 |
| 154. Bank of Genesee | Batavia | New York State National Bank | do | 2,963 00 | 2,963 00 | January 28 |
| 155. Merchants' Bank | Syracuse | Mechanics' and Farmers' Bank | do | 3,938 00 | 3,938 00 | January 29 |
| 156. Bank of Cazenovia | Cazenovia | New York State National Bank | do | 2,685 00 | 2,685 00 | February 6 |
| 157. Tradesmen's Bank | New York | do do | do | 6,250 00 | 6,250 00 | February 6 |
| 158. Waverly Bank | Waverly | do do | do | 3,466 35 | 2,980 00 | February 25 |
| 159. Bank of Port Byron | Port Byron | do do | do | 484 37 | 490 00 | March 1 |
| 160. Columbia Bank | Chatham 4 Corners | do do | do | 8,458 00 | 8,458 00 | March 2 |
| 161. Bank of Kent | Ludingtonville | do do | do | 6,233 57 | 5,240 00 | March 5 |
| 162. Commercial Bank | Glen's Falls | National Albany Exchange Bank | do | 7,324 00 | 6,103 00 | March 8 |
| 163. Fulton County Bank | Gloversville | New York State National Bank | do | 3,513 00 | 3,513 00 | March 8 |
| 164. Hudson River Bank | Hudson | do do | do | 2,359 00 | 2,359 00 | March 9 |
| 165. Frankfort Bank | Frankfort | Merchants' National Bank | do | 3,099 94 | 2,802 00 | March 12 |
| 166. Bank of Newport | Newport | do do | do | 1,261 07 | 1,059 00 | March 13 |
| 167. Metropolitan Bank | New York | New York State National Bank | do | 20,000 00 | 20,000 00 | March 14 |
| 168. Manufacturers' Bank | New York (formerly Brooklyn) | do do | do | 4,261 00 | 4,261 00 | March 22 |
| 169. Bank of Binghamton | Binghamton | Merchants' National Bank | do | 1,580 00 | 1,580 00 | March 27 |
| 170. Bank of Seneca Falls | Seneca Falls | do do | do | 3,143 78 | 3,002 00 | March 30 |
| 171. Bank of Commerce, Putnam County | Carmel | New York State National Bank | do | 7,014 40 | 5,899 00 | April 3 |
| 172. Rockland County Bank | Nyack | do do | do | 2,751 53 | 2,251 00 | April 4 |
| 173. Bank of Waterville | Waterville | do do | do | 5,222 00 | 5,222 00 | April 8 |
| 174. Commercial Bank | Clyde | Union National Bank | do | 3,839 92 | 3,106 00 | April 16 |
| 175. Commercial Bank | Whitehall | New York State National Bank | do | 3,821 00 | 3,821 00 | April 22 |
| 176. E. S. Rich's Bank of Exchange | Buffalo | do do | do | 1,823 00 | 1,823 00 | April 23 |
| 177. Fallkill Bank | Poughkeepsie | do do | do | 3,066 00 | 3,066 00 | April 24 |
| 178. Suffolk County Bank | Sag Harbor | do do | do | 4,702 00 | 4,702 00 | April 30 |
| 179. Saratoga County Bank† | Waterford | National Albany Exchange Bank | do | 1,594 88 | 1,350 00 | April 30 |
| 180. J. A. Clark & Co.'s Bank | Pulaski | New York State National Bank | do | 208 96 | 274 00 | May 1 |
| 181. Rochester Bank | Rochester | do do | do | 6,432 00 | 6,432 00 | May 8 |
| 182. Orleans County Bank | Albion | do do | do | 2,721 53 | 2,331 00 | May 14 |
| 183. Farmers' and Mechanics' Bank | Rochester | Albany City National Bank | do | 7,946 83 | 7,653 00 | May 16 |
| 184. West Winfield Bank | West Winfield | National Albany Exchange Bank | do | 2,679 93 | 2,553 00 | May 23 |
| 185. Bellinger Bank | Brooklyn | New York State National Bank | do | 2,528 00 | 2,528 00 | June 1 |
| 186. Iron Bank | Plattsburgh | do do | do | 283 00 | 283 00 | June 1 |
| 187. J. N. Hungerford's Bank | Corning | do do | do | 1,017 78 | 949 00 | June 3 |
| 188. Q. W. Wellington & Co.'s Bank | Corning | do do | do | 577 81 | 586 00 | June 3 |
| 189. Bank of Havana | Havana | do do | do | 2,404 00 | 2,404 00 | June 7 |
| 190. Central Bank | Troy | Merchants' National Bank | do | 3,225 38 | 2,839 00 | June 7 |
| 191. Niagara County Bank | Lockport | do do | do | 3,770 81 | 3,186 00 | June 14 |
| 192. Merchants' Bank | Poughkeepsie | National Commercial Bank | do | 4,838 00 | 4,838 00 | June 25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 193. Hampden Bank | North Castle | New York State National Bank | Albany | 8,064 52 | 7,089 00 | June 27 |
| 194. R. L. Ingersoll & Co.'s Bank | Pulaski | do do | do | 131 71 | 234 00 | July 16 |
| 195. Union Bank of Sullivan County | Monticello | do do<br>National Bank of the Republic | do<br>New York | .....<br>4,359 96 | .....<br>4,320 00 | July 18 |
| 196. Weedsport Bank | Weedsport | New York State National Bank | Albany | 5,058 61 | 4,288 00 | August 6 |
| 197. Bank of Dansville† | Dansville | do do | do | 10,385 00 | 10,385 00 | August 7 |
| 198. Fredonia Bank | Fredonia | Mechanics' and Farmers' Bank | do | 4,141 16 | 3,581 00 | August 10 |
| 199. International Bank | Buffalo | New York State National Bank | do | 2,394 00 | 2,394 00 | August 15 |
| 200. Auburn City Bank | Auburn | National Commercial Bank<br>New York State National Bank | do<br>do | .....<br>3,053 24 | .....<br>2,892 00 | August 26 |
| 201. Monroe County Bank | Rochester | Mechanics' and Farmers' Bank | do | 3,846 66 | 3,364 00 | September 11 |
| 202. Farmers' Bank of Washington County | Fort Edward | New York State National Bank | do | 2,465 00 | 2,465 00 | September 17 |
| 203. Oneida Central Bank | Rome | do do | do | 3,581 96 | 3,130 00 | October 1 |
| 204. Central City Bank (formerly Crouse Bank) | Syracuse | do do | do | 2,943 75 | 2,724 00 | October 20 |
| 205. Bank of Whitestown | Whitestown | do do | do | 4,241 00 | 4,241 00 | October 25 |
| 206. Bank of Canandaigua | Canandaigua | do do<br>First National Bank | do<br>New York | .....<br>1,700 00 | .....<br>1,700 00 | October 30 |
| 207. Huguenot Bank | New Paltz | New York State National Bank | Albany | 3,431 00 | 3,431 00 | November 8 |
| 208. Montgomery County Bank | Johnstown | do do | do | 1,445 93 | 1,412 00 | December 16 |
| 209. Bank of Canton | Canton | do do<br>First National Bank | do<br>New York | .....<br>595 25 | .....<br>662 00 | December 30 |
| | | | | | | 1874. |
| 210. Bank of Amsterdam | Amsterdam | New York State National Bank | Albany | 1,017 00 | 1,017 00 | January 18 |
| 211. Bank of Fort Edward* | Fort Edward | do do | do | 4,704 97 | 4,128 00 | January 18 |
| 212. Syracuse City Bank | Syracuse | Albany City National Bank | do | 3,753 85 | 3,600 00 | January 28 |
| 213. White's Bank† | Buffalo | New York State National Bank | do | 7,460 00 | 7,460 00 | January 29 |
| 214. Bank of Ontario | Canandaigua | do do<br>First National Bank | do<br>New York | .....<br>1,461 00 | .....<br>1,461 00 | February 8 |
| 215. Frontier Bank | Potsdam | National Bank of North America<br>New York State National Bank | do<br>Albany | .....<br>4,393 00 | .....<br>4,393 00 | February 10 |
| 216. Bank of Syracuse | Syracuse | do do | do | 5,989 00 | 5,989 00 | February 11 |
| 217. H. J. Messenger's Bank | Cortland | do do | do | 1,571 00 | 1,571 00 | February 12 |
| 218. Auburn Exchange Bank | Auburn | Albany City National Bank | do | 4,165 44 | 3,649 00 | February 20 |
| 219. Farmers' and Mechanics' Bank of Genesee | Buffalo | New York State National Bank | do | 4,034 00 | 4,034 00 | February 20 |
| 220. Union Bank | New York | do do | do | 1,840 00 | 1,840 00 | February 28 |
| 221. Cayuga County Bank | Auburn | do do | do | 609 00 | 609 00 | March 9 |
| 222. Illion Bank | Illion | Merchants' National Bank | do | 1,904 00 | 1,904 00 | March 10 |
| 223. Bank of America† | New York | New York State National Bank | do | 1,885 00 | 1,885 00 | March 12 |
| 224. Joshua Pratt & Co.'s Bank | Sherburne | do do | do | 302 19 | 315 00 | March 20 |
| 225. Bank of Malone | Malone | Importers' and Traders' National B'k.<br>New York State National Bank | New York<br>Albany | .....<br>3,266 00 | .....<br>3,266 00 | April 9 |
| 226. Palisade Bank | Yonkers | do do | do | 4,464 00 | 4,464 00 | April 9 |
| 227. Mohawk Valley Bank | Mohawk | Merchants' National Bank | do | 3,749 00 | 3,749 00 | April 25 |
| 228. Manufacturers' and Traders' Bank† | Buffalo | New York State National Bank | do | 3,368 00 | 3,368 00 | May 1 |
| 229. Bank of Tioga | Owego | do do<br>Importers' and Traders' National B'k. | do<br>New York | .....<br>3,933 44 | .....<br>3,463 00 | May 8 |
| 230. Commercial Bank | Rochester | New York State National Bank | Albany | 11,765 00 | 11,765 00 | May 12 |
| 231. Bank of Whitehall | Whitehall | Mechanics' and Farmers' Bank | do | 1,440 89 | 1,021 00 | May 12 |
| 232. Utica City Bank | Utica | New York State National Bank | do | 6,116 00 | 6,116 00 | May 15 |
| 233. Nassau Bank | Brooklyn | do do | do | 3,895 00 | 3,895 00 | May 24 |

## TABLE No. 4.—(*Continued*).

| NAMES OF BANKS. | Location. | Names of Redeeming Banks. | Location. | Amount of Cash on deposit. | Circulation. | Expiration of time for redemption. |
|---|---|---|---|---|---|---|
| | | | | | | **1874.** |
| 234. Bank of Fishkill | Fishkill | New York State National Bank | Albany | $3,885 00 | $3,885 00 | June 9 |
| 235. Canajoharie Bank | Canajoharie | Merchants' National Bank | do | 4,052 00 | 4,052 00 | October 9 |
| 236. Herkimer County Bank | Little Falls | Albany City National Bank | do | 1,103 31 | 1,000 00 | October 10 |
| 237. Schoharie County Bank | Schoharie | New York State National Bank | do | 2,177 57 | 2,071 00 | October 12 |
| 238. Mechanics' and Traders' Bank | New York | do do | do | 4,457 00 | 4,457 00 | October 12 |
| 239. City Bank | Poughkeepsie | do do | do | 1,301 24 | 1,194 00 | October 14 |
| 240. Traders' Bank (formerly Manufacturers' Bank, then Eagle Bank, Rochester) | Rochester | do do | do | 5,877 92 | 5,619 00 | October 19 |
| 241. Ulster County Bank | Kingston | do do | do | 432 00 | 432 00 | October 27 |
| 242. Saugerties Bank | Saugerties | do do | do | 2,197 32 | 2,018 00 | November 9 |
| 243. City Bank | Brooklyn | do do | do | 4,728 00 | 4,728 00 | November 9 |
| 244. Bank of Newark | Newark | do do | do | 2,587 00 | 2,587 00 | November 11 |
| | | | | | | **1875.** |
| 245. P. R. Westfall's Bank | Lyons | do do | do | 2,376 70 | 2,164 00 | January 1 |
| 246. Bank of Lowville | Lowville | Merchants' National Bank | do | 6,651 00 | 6,651 00 | January 21 |
| 247. H. J. Miner and Co.'s Bank | Dunkirk | New York State National Bank | do | 2,655 50 | 1,742 00 | February 11 |
| 248. Bank of Chenango† | Norwich | do do | do | 1,417 00 | 1,417 00 | April 5 |
| 249. Lockport City Bank | Lockport | do do | do | 6,252 00 | 6,252 00 | June 2 |
| 250. Broome County Bank | Binghamton | Mechanics' and Farmers' Bank | do | 3,232 60 | 3,039 00 | August 6 |
| 251. Fulton Bank | New York | New York State National Bank | do | 16,000 00 | 16,000 00 | October 7 |
| 252. Exchange Bank | Lockport | do do | do | 6,968 93 | 6,540 00 | November 1 |
| 253. Bulls Head Bank† | New York | do do | do | 6,743 00 | 6,743 00 | December 18 |
| | | | | | | **1876.** |
| 254. Randall Bank* | Cortland | do do | do | 2,888 66 | 2,739 00 | January 28 |
| 255. T. O. Grannis & Co.'s Bank | Utica | do do | do | 255 75 | 278 00 | February 9 |
| 256. Delaware Bank | Delhi | Mechanics' and Farmers' Bank | do | 6,353 00 | 6,353 00 | February 19 |
| 257. Hanover Bank | New York | New York State National Bank | do | 4,012 95 | 3,800 00 | February 28 |
| 258. Perrin Bank | Rochester | do do | do | 1,959 15 | 1,899 00 | May 6 |
| 259. Cuba Bank | Cuba | do do | do | 3,233 84 | 3,244 00 | August 15 |
| | | | | | | **1877.** |
| 260. Brooklyn Bank† | Brooklyn | do do | do | 2,595 91 | 2,566 00 | March 30 |
| 261. Hope Bank | Albany | Mechanics' and Farmers' Bank | do | 1,173 96 | 1,163 00 | April 6 |
| 262. Bank of Cooperstown | Cooperstown | New York State National Bank | do | 4,028 61 | 4,000 00 | May 3 |
| 263. Bank of Trumansburg | Trumansburgh | do do | do | 358 64 | 358 00 | June 14 |
| *Late Incorporated Banks.* | | | | | | |
| | | | | | | **1872.** |
| 264. Phœnix Bank | New York | New York State National Bank | do | 6,270 00 | 6,270 00 | April 26 |
| 265. Bank of New York | do | Mechanics' and Farmers' Bank | do | 60,943 00 | 60,943 00 | April 27 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 266. Merchants' and Mechanics' Bank | Troy | New York State National Bank | do | 5,052 18 | 4,045 00 | June 29 |
| 267. Mechanics' and Farmer's Bank | Albany | do do | do | 23,068 00 | 23,068 00 | December 28 |
| 268. New York State Bank | do | Mechanics' and Farmers' Bank | do | 28,760 00 | 28,760 00 | December 28 |
| | | | | | | **1873.** |
| 269. Troy City Bank | Troy | New York State National Bank | do | 11,711 14 | 9,707 00 | February 20 |
| 270. Bank of Rome | Rome | do do | do | 9,924 00 | 9,924 00 | June 6 |
| | | | | | | **1874.** |
| 271. Cayuga County Bank | Auburn | do do | do | 13,472 00 | 13,472 00 | March 9 |
| 272. Bank of America | New York | do do | do | 18,272 00 | 18,272 00 | March 12 |
| 273. Steuben County Bank | Bath | do do | do | 14,204 00 | 14,204 00 | June 30 |
| 274. Mechanics' and Traders' Bank | New York | do do | do | 10,703 00 | 10,703 00 | October 12 |
| 275. Ulster County Bank | Kingston | do do | do | 5,511 00 | 5,511 00 | October 27 |
| | | | | | | **1876.** |
| 276. Atlantic Bank | Brooklyn | do do | do | 11,561 00 | 11,561 00 | April 4 |
| | | | | | | **1877.** |
| 277. Albany City Bank | Albany | Albany City National Bank | do | 8,125 00 | 8,125 00 | June 12 |

* These banks have other securities in the Department forming no part of the deposit required by law.

† See Table No. 2.

# TABLE No. 5.

*Closing banks that do not report to the Superintendent, and that have not taken measures to close their circulation account, with their securities and circulation, September 30th, 1871.*

| NAMES OF BANKS. | Location. | New York State Stocks. | | | United States Stocks. | | Bonds and mortgages. | Total. | Circulation. |
|---|---|---|---|---|---|---|---|---|---|
| | | Five per cent. | Six per cent. | Seven per cent. | Five per cent. | Six per cent. | | | |
| Broadway Bank | New York | ..... | $10,000 | ..... | ..... | ..... | ..... | $10,000 | $8,000 |
| Central Bank | Brooklyn | $1,000 | ..... | ..... | ..... | $2,500 | ..... | 3,500 | 2,403 |
| Chemical Bank | New York | ..... | 18,000 | ..... | ..... | ..... | ..... | 18,000 | 11,713 |
| Bank of Cohoes | Cohoes | 17,000 | 5,000 | ..... | ..... | ..... | ..... | 22,000 | 2,159 |
| Bank of Commerce | New York | ..... | 9,000 | ..... | ..... | ..... | ..... | 9,000 | 1,705 |
| Commercial Bank | Albany | ..... | 54,500 | ..... | ..... | ..... | ..... | 54,500 | 6,345 |
| Continental Bank | New York | ..... | 10,000 | ..... | ..... | ..... | ..... | 10,000 | 4,720 |
| Bank of Geneva | Geneva | 5,000 | ..... | $2,000 | ..... | ..... | ..... | 7,000 | 5,434 |
| Geo. Washington Bank | Corning | 2,000 | ..... | ..... | ..... | ..... | ..... | 2,000 | 1,081 |
| Goshen Bank | Goshen | 10,000 | ..... | ..... | ..... | ..... | ..... | 10,000 | 5,324 |
| Jamestown Bank | Jamestown | ..... | ..... | 5,000 | ..... | ..... | ..... | 5,000 | 4,190 |
| Bank of Orange County | Goshen | 5,000 | ..... | ..... | ..... | ..... | ..... | 5,000 | 1,944 |
| Bank of Otego | Otego | ..... | 5,500 | ..... | ..... | ..... | ..... | 5,500 | 5,500 |
| Rensselaer County Bank | Lansingburgh | ..... | ..... | 1,000 | ..... | ..... | $800 | 1,800 | 1,779 |
| Bank of the Republic | New York | ..... | 10,000 | ..... | ..... | ..... | ..... | 10,000 | 5,842 |
| Rochester Exchange Bank | Rochester | ..... | 5,800 | ..... | ..... | ..... | ..... | 5,800 | 5,810 |
| Bank of Rondout | Rondout | ..... | 5,000 | 1,000 | ..... | ..... | ..... | 6,000 | 5,335 |
| State of New York Bank | Kingston | ..... | 7,000 | ..... | ..... | ..... | ..... | 7,000 | 4,000 |
| Wallkill Bank | Middletown | 3,000 | ..... | ..... | ..... | 2,000 | ..... | 5,000 | 2,942 |
| Westchester County Bank | Peekskill | ..... | 5,000 | ..... | ..... | ..... | ..... | 5,000 | 270 |
| Bank of Yonkers | Yonkers | ..... | 6,000 | ..... | ..... | ..... | ..... | 6,000 | 3,205 |
| *Late Incorporated.* | | | | | | | | | |
| Tompkins County Bank | Ithaca | ..... | ..... | ..... | $1,000 | ..... | ..... | 1,000 | 395 |

## TABLE No. 6.

*Incorporated banks whose circulation is not secured, with the amount of such circulation on the 30th September, 1871. The charters of these Banks, excepting that of the Manhattan Company, have expired.*

| | |
|---|---|
| Bank of Auburn | $15,435 00 |
| Brooklyn Bank | 7,521 00 |
| Broome County Bank | 7,563 00 |
| Butchers' and Drovers' Bank | 4,960 00 |
| Central Bank at Cherry Valley | 8,289 00 |
| Chautauque County Bank | 14,032 00 |
| Chemical Manufacturing Company | 13,786 50 |
| Chemung Canal Bank | 13,506 00 |
| Bank of Chenango | 11,617 00 |
| City Bank, New York | 18,778 00 |
| Commercial Bank, Albany | 3,825 00 |
| Delaware and Hudson Canal Company | 705 00 |
| Essex County Bank | 5,416 00 |
| Farmers' Bank, Troy | 26,523 00 |
| Greenwich Bank | 8,495 00 |
| Herkimer County Bank | 11,300 00 |
| Hudson River Bank | 8,387 00 |
| Jefferson County Bank | 11,458 00 |
| Kingston Bank | 6,698 00 |
| Livingston County Bank | 9,300 00 |
| Long Island Bank | 8,714 00 |
| Manhattan Company (see table No. 2) | 262,562 00 |
| Mechanics' Bank, New York | 52,699 00 |
| Mohawk Bank, Schenectady | 2,446 00 |
| Montgomery County Bank | 5,715 00 |
| Bank of Newburgh | 18,707 00 |
| New York Dry Dock Company | 9,692 00 |
| Ogdensburgh Bank | 9,072 00 |
| Oneida Bank | 14,600 00 |
| Onondaga County Bank | 9,747 00 |
| Bank of Orange County | 10,641 00 |
| Otsego County Bank | 6,441 00 |
| Rochester City Bank | 13,179 00 |
| Saratoga County Bank | 6,068 00 |
| Schenectady Bank | 3,690 00 |
| Seneca County Bank | 24,842 00 |
| Bank of the State of New York | 9,652 00 |
| Tompkins County Bank* | 11,886 00 |
| Tradesmen's Bank | 14,180 00 |
| Bank of Troy | 24,546 00 |
| Bank of Utica and Branch | 16,888 00 |
| Westchester County Bank | 6,229 00 |
| Bank of Whitehall | 8,120 00 |
| | $757,910 50 |

* Three hundred and ninety-five dollars of the notes of this bank, not included in the amount of circulation above, are secured by a deposit of stocks, and may be found in table No. 5.

# TABLE No. 7.

*An alphabetical list of the banks having circulation, mentioned in the preceding tables, with the names and locations of their respective redeeming agents.*

[The numbers in the margin will serve as an index to tables 3 and 4.]

| | NAMES OF BANKS. | Redeeming Banks. | Location. |
|---|---|---|---|
| 277 | Albany City Bank, incorporated | Albany City National Bank | Albany. |
| 1 | Albany Exchange Bank | Merchants' National Bank | Albany. |
| 8 | Albion, Bank of | Atlantic National Bank | New York. |
| 148 | Alonzo Wood & Co.'s Bank | Merchants' National Bank | Albany. |
| 223 | America, Bank of | New York State National Bank | Albany. |
| 272 | America, Bank of, incorporated | do do | Albany. |
| 210 | Amsterdam, Bank of | do do | Albany. |
| 122 | Atlantic Bank, New York | do do | Albany. |
| 276 | Atlantic Bank, Brooklyn, incorporated | do do | Albany. |
| | Attica, Bank of | do do | Albany. |
| 36 | Auburn, Bank of | do do | Albany. |
| | Auburn, Bank of, incorporated | do do | Albany. |
| 200 | Auburn City Bank | National Commercial Bank | Albany. |
| | | New York State National Bank | Albany. |
| 218 | Auburn Exchange Bank | Albany City National Bank | Albany. |
| 11 | Ballston Spa Bank | do do | Albany. |
| | Bank of the State of New York, incorp'd | Nat'l Bank of the State of New York | New York. |
| 40 | Bath, Bank of | National Bank of North America | New York. |
| 185 | Bellinger Bank | New York State National Bank | Albany. |
| 169 | Binghamton, Bank of | Merchants' National Bank | Albany. |
| 34 | Black River Bank | New York State National Bank | Albany. |
| 5 | Briggs Bank, of Clyde | Ninth National Bank | New York. |
| | Broadway Bank | National Broadway Bank | New York. |
| 260 | Brooklyn Bank | New York State National Bank | Albany. |
| | Brooklyn Bank, incorporated | Brooklyn Bank | Brooklyn. |
| 250 | Broome County Bank | Mechanics' and Farmers' Bank | Albany. |
| | Broome County Bank, incorporated | do do | Albany. |
| 140 | Buffalo City Bank | Merchants' National Bank | Albany. |
| 253 | Bull's Head Bank | New York State National Bank | Albany. |
| 149 | Burnet Bank | Merchants' National Bank | Albany. |
| 141 | Butchers' and Drovers' Bank | New York State National Bank | Albany. |
| | Butchers' and Drovers' Bank, incorporated | National Butchers' & Drovers' Bank | New York. |
| 132 | Cambridge Valley Bank | Merchants' National Bank | Albany. |
| 235 | Canajoharie Bank | do do | Albany. |
| 206 | Canandaigua, Bank of | First National Bank | New York. |
| | | New York State National Bank | Albany. |
| 32 | Canastota Bank | Albany City National Bank | Albany. |
| 209 | Canton, Bank of | First National Bank | New York. |
| | | New York State National Bank | Albany. |
| 64 | Catskill Bank | Bank of the Commonwealth | New York. |
| 221 | Cayuga County Bank | New York State National Bank | Albany. |
| 271 | Cayuga County Bank, incorporated | do do do | Albany. |
| 65 | Cayuga Lake, Bank of | National Park Bank | New York. |
| 156 | Cazenovia, Bank of | New York State National Bank | Albany. |
| | Central Bank of Brooklyn | Central Bank | Brooklyn. |
| 20 | Central Bank at Cherry Valley | Mechanics' and Farmers' Bank | Albany. |
| | Central Bank at Cherry Valley, incorp'd | do do | Albany. |
| 190 | Central Bank of Troy | Merchants' National Bank | Albany. |
| 204 | Central City Bank (formerly Crouse Bank, Syracuse) | New York State National Bank | Albany. |
| 91 | Chatham Bank | do do | Albany. |
| 128 | Chautauqua County Bank | do do | Albany. |
| | Chautauque County Bank, incorporated | Metropolitan National Bank | New York. |
| | Chemical Bank | Chemical National Bank | New York. |
| | Chemical Manufacturing Co., incorporated | | |
| 62 | Chemung, Bank of | Metropolitan National Bank | New York. |
| | Chemung Canal Bank, incorporated | Mercantile National Bank | New York. |
| 248 | Chenango, Bank of | New York State National Bank | Albany. |
| | Chenango, Bank of, incorporated | do do | Albany. |
| 2 | Chester Bank | New York Exchange Bank | New York. |
| 12 | Chittenango Bank | Merchants' National Bank | Albany. |
| 107 | Citizens' Bank, Fulton | New York State National Bank | Albany. |
| 85 | Citizens' Bank, New York | do do | Albany. |
| 243 | City Bank of Brooklyn | do do | Albany. |
| | City Bank of New York, incorporated | National City Bank | New York. |
| | City Bank of Oswego | Albany City National Bank | Albany. |
| 239 | City Bank of Poughkeepsie | New York State National Bank | Albany. |
| | Cohoes, Bank of | Merchants' National Bank | Albany. |
| 160 | Columbia Bank | New York State National Bank | Albany. |
| | Commerce, in New York, Bank of | National Bank of Commerce | New York. |
| 171 | Commerce, of Putnam County, Bank of | New York State National Bank | Albany. |

TABLE No. 7—(*Continued*).

| | NAMES OF BANKS. | Redeeming Banks. | Location. |
|---|---|---|---|
| | Commercial Bank of Albany | National Commercial Bank | Albany. |
| | Commercial Bank of Albany, incorporated. | do do | Albany. |
| 174 | Commercial Bank of Clyde | Union National Bank | Albany. |
| 162 | Commercial Bank of Glen's Falls | National Albany Exchange Bank | Albany. |
| 230 | Commercial Bank of Rochester | New York State National Bank | Albany. |
| 25 | Commercial Bank of Saratoga Springs | Albany City National Bank | Albany. |
| 175 | Commercial Bank of Whitehall | New York State National Bank | Albany. |
| 94 | Commonwealth, Bank of the | do do | Albany. |
| | Continental Bank | Continental National Bank | New York. |
| 262 | Cooperstown, Bank of | New York State National Bank | Albany. |
| 38 | Corn Exchange Bank | Corn Exchange Bank | New York. |
| 129 | Coxsackie, Bank of | Merchants' National Bank | Albany. |
| 78 | Croton River Bank | New York State National Bank | Albany. |
| 259 | Cuba Bank | do do | Albany. |
| 10 | Cuyler's Bank | Albany City National Bank | Albany. |
| 197 | Dansville, Bank of | New York State National Bank | Albany. |
| 256 | Delaware Bank | Mechanics' and Farmers' Bank | Albany. |
| | Delaware and Hudson Canal Company, inc. | | |
| 51 | Deposit Bank | Metropolitan National Bank | New York. |
| 130 | Dover Plains Bank | New York State National Bank | Albany. |
| 84 | East River Bank | do do | Albany. |
| 103 | Elmira Bank | do do | Albany. |
| 176 | E. S. Rich's Bank of Exchange | do do | Albany. |
| | Essex County Bank, incorporated | Mercantile National Bank | New York. |
| 252 | Exchange Bank at Lockport | New York State National Bank | Albany. |
| 177 | Fallkill Bank | do do | Albany. |
| 31 | Farmers' Bank of Amsterdam | Albany City National Bank | Albany. |
| 19 | Farmers' Bank of Attica | National Park Bank | New York. |
| 131 | Farmers' Bank of Hudson | New York State National Bank | Albany. |
| 137 | Farmers' Bank of Troy | do do | Albany. |
| | Farmers' Bank of Troy, incorporated | United National Bank | Troy. |
| 202 | Farmers' Bank of Washington County | New York State National Bank | Albany. |
| 125 | Farmers' and Citizens' Bank, L. I. | do do | Albany. |
| 69 | Farmers' and Drovers' Bank | Merchants' Exchange National Bank | New York. |
| 54 | Farmers' and Manufacturers' Bank | Phenix National Bank | New York. |
| 73 | Farmers' and Manufacturers' Bank, inc. | do do | New York. |
| 219 | Farmers' and Mechanics' Bank, Genesee | New York State National Bank | Albany. |
| 183 | Farmers' and Mechanics' Bank, Rochester. | Albany City National Bank | Albany. |
| 104 | Fayetteville, Bank of | Merchants' National Bank | Albany. |
| 234 | Fishkill, Bank of | New York State National Bank | Albany. |
| 4 | Flour City Bank | do do | Albany. |
| 211 | Fort Edward, Bank of | do do | Albany. |
| 99 | Fort Plain Bank | do do | Albany. |
| 26 | Fort Stanwix Bank | American Exchange National Bank | New York. |
| 165 | Frankfort Bank | Merchants' National Bank | Albany. |
| 198 | Fredonia Bank | Mechanics' and Farmers' Bank | Albany. |
| 215 | Frontier Bank | National Bank of North America<br>New York State National Bank | New York.<br>Albany. |
| 251 | Fulton Bank, New York | do do | Albany. |
| 163 | Fulton County Bank | do do | Albany. |
| 154 | Genesee, Bank of | do do | Albany. |
| 109 | Genesee County Bank | do do | Albany. |
| 133 | Genesee River Bank | do do | Albany. |
| 30 | Genesee Valley Bank | Central National Bank | New York. |
| | Geneva, Bank of | Mechanics' and Farmers' Bank | Albany. |
| | Geo. Washington Bank | Fourth National Bank | New York. |
| 115 | Glen's Falls Bank | Merchants' National Bank | Albany. |
| | Goshen Bank | Ocean National Bank | New York. |
| | Greenwich Bank | Greenwich Bank | New York. |
| | Greenwich Bank, incorporated | do do | New York. |
| 151 | Grocers' Bank | New York State National Bank | Albany. |
| 17 | Hamilton Bank | American Exchange National Bank | New York. |
| 193 | Hampden Bank | New York State National Bank | Albany. |
| 257 | Hanover Bank | do do | Albany. |
| 189 | Havana, Bank of | do do | Albany. |
| | Henry D. Barto & Co.'s Bank | Atlantic National Bank | New York. |
| 236 | Herkimer County Bank | Albany City National Bank | Albany. |
| | Herkimer County Bank, incorporated | do do | Albany. |
| | H. G. Hotchkiss & Co.'s Bank | Williams & Bostwick | New York. |
| 3 | Highland Bank | Nassau Bank | New York. |
| 67 | Highland Bank, incorporated | do | New York. |
| 217 | H. J. Messenger's Bank | New York State National Bank | Albany. |
| 247 | H. J. Miner & Co.'s Bank | do do | Albany. |
| 261 | Hope Bank of Albany | Mechanics' and Farmers' Bank | Albany. |
| 164 | Hudson River Bank | New York State National Bank | Albany. |
| | Hudson River Bank, incorporated | Metropolitan National Bank | New York. |
| 207 | Huguenot Bank | New York State National Bank | Albany. |
| 47 | Hungerford's Bank | do do | Albany. |
| 222 | Ilion Bank | Merchants' National Bank | Albany. |

## TABLE No. 7—(*Continued*).

| | NAMES OF BANKS. | Redeeming Banks. | Location. |
|---|---|---|---|
| 199 | International Bank | New York State National Bank | Albany. |
| 186 | Iron Bank of Plattsburgh | do do | Albany. |
| 123 | Irving Bank | do do | Albany. |
| 180 | J. A. Clark & Co.'s Bank | do do | Albany. |
| | Jamestown Bank | Metropolitan National Bank | New York. |
| 58 | Jefferson County Bank | Albany City National Bank | Albany. |
| | Jefferson County Bank, incorporated | do do | Albany. |
| 187 | J. N. Hungerford's Bank | New York State National Bank | Albany. |
| 48 | J. N. Westfall & Co.'s Bank | National Park Bank | New York. |
| 224 | Joshua Pratt & Co.'s Bank | New York State National Bank | Albany. |
| 142 | J. T. Raplee's Bank | Bank Department, at 20c. on the dol. | Albany. |
| 13 | Judson Bank | Fourth National Bank | New York. |
| 161 | Kent, Bank of | New York State National Bank | Albany. |
| 113 | Kinderhook, Bank of | do do | Albany. |
| | Kingston Bank, incorporated | Metropolitan National Bank | New York. |
| 153 | Lake Bank | Merchants' National Bank | Albany. |
| 23 | Lake Ontario Bank | Albany City National Bank | Albany. |
| 33 | Lake Shore Bank | Metropolitan National Bank | New York. |
| 6 | Lansingburgh, Bank of | National Park Bank | New York. |
| 68 | Lansingburgh, Bank of, incorporated | do do | New York. |
| 18 | Leonardsville Bank | Merchants' National Bank | Albany. |
| 139 | Lima, Bank of | New York State National Bank | Albany. |
| 119 | Lincoln Bank | do do | Albany. |
| | Livingston County Bank, incorporated | do do | Albany. |
| 249 | Lockport City Bank | do do | Albany. |
| | Long Island Bank | Long Island Bank | Brooklyn. |
| | Long Island Bank, incorporated | do do | Brooklyn. |
| 246 | Lowville, Bank of | Merchants' National Bank | Albany. |
| 61 | Lyons Bank | Albany City National Bank | Albany. |
| 225 | Malone, Bank of | Imp. and Traders' National Bank<br>New York State National Bank | New York.<br>Albany. |
| | Manhattan Company, incorporated | Manhattan Company | New York. |
| 168 | Manufacturers' Bank, New York (formerly Brooklyn) | New York State National Bank | Albany. |
| 75 | Manufacturers' Bank, Troy | Mechanics' and Farmers' Bank | Albany. |
| | Manufacturers' and Merchants' Bank | Manufacturers' and Merchants' Bank | New York. |
| 228 | Manufacturers' and Traders' Bank | New York State National Bank | Albany. |
| 24 | Marine Bank of Buffalo | Metropolitan National Bank<br>Mechanics' and Farmers' Bank | New York.<br>Albany. |
| 112 | Marine Bank at Oswego | Merchants' National Bank | Albany. |
| 86 | Market Bank, New York | New York State National Bank | Albany. |
| 77 | Market Bank, Troy | Mechanics' and Farmers' Bank | Albany. |
| | Mechanics' Bank, Brooklyn | Mechanics' Bank | Brooklyn. |
| 21 | Mechanics' Bank, New York | Mechanics' and Farmers' Bank | Albany. |
| | Mechanics' Bank, New York, incorporated | Mechanics' National Bank | New York. |
| 134 | Mechanics' Bank, Syracuse | Albany City National Bank | Albany. |
| 143 | Mechanics' and Farmers' Bank, Albany | New York State National Bank | Albany. |
| 267 | Mechanics' and Farmers' Bk., Albany, inc. | do do | Albany. |
| 238 | Mechanics' and Traders' Bank, New York | do do | Albany. |
| 274 | Mechanics' and Traders' Bk., N. Y., incor. | do do | Albany. |
| 83 | Mercantile Bank, New York | do do | Albany. |
| 95 | Mercantile Bank of Plattsburgh | do do | Albany. |
| 108 | Merchants' Bank of Albany | National Albany Exchange Bank | Albany. |
| 74 | Merchants' Bank of New York | New York State National Bank<br>Mechanics' and Farmers' Bank<br>Merchants' National Bank | Albany.<br>Albany.<br>New York. |
| 192 | Merchants' Bank in Poughkeepsie | National Commercial Bank | Albany. |
| 155 | Merchants' Bank, Syracuse | Mechanics' and Farmers' Bank | Albany. |
| 150 | Merchants' Bank of Westfield | New York State National Bank | Albany. |
| 114 | Merchants' Exchange Bank | do do | Albany. |
| 124 | Merchants' and Farmers' Bank | National Albany Exchange Bank | Albany. |
| 97 | Merchants' and Mechanics' Bank of Troy | New York State National Bank | Albany. |
| 266 | Merchants' and Mechanics' Bk. of Troy, inc. | do do | Albany. |
| 167 | Metropolitan Bank | do do | Albany. |
| 55 | Middletown Bank | National Park Bank | New York. |
| 9 | Mohawk Bank of Schenectady | Albany City National Bank | Albany. |
| | Mohawk Bank of Schenectady, incorporat. | do do | Albany. |
| 57 | Mohawk River Bank | New York State National Bank | Albany. |
| 227 | Mohawk Valley Bank | Merchants' National Bank | Albany. |
| 201 | Monroe County Bank | Mechanics' and Farmers' Bank | Albany. |
| 208 | Montgomery County Bank | New York State National Bank | Albany. |
| | Montgomery County Bank, incorporated | John Wells, President | Johnstown |
| 29 | Mutual Bank of Troy | National Park Bank<br>Mutual National Bank | New York.<br>Troy. |
| 233 | Nassau Bank, Brooklyn | New York State National Bank | Albany. |
| | Nassau Bank, New York | Nassau Bank | New York. |
| 87 | National Bank in City of New York | National Commercial Bank<br>Gallatin National Bank | Albany.<br>New York. |
| 244 | Newark, Bank of | New York State National Bank | Albany. |

## TABLE No. 7—(*Continued*).

| | NAMES OF BANKS. | Redeeming Banks. | Location. |
|---|---|---|---|
| 7 | Newburgh, Bank of | Central National Bank | New York. |
| | Newburgh, Bank of, incorporated | National Park Bank | New York. |
| 166 | Newport, Bank of | Merchants' National Bank | Albany. |
| 88 | New York, Bank of | Mechanics' and Farmers' Bank | Albany. |
| 265 | New York, Bank of, incorporated | do do | Albany. |
| 109 | New York County Bank | New York State National Bank | Albany. |
| | New York Dry Dock Co., incorporated | New York Dry Dock Company | New York. |
| | New York and Erie Bank | National Park Bank | New York. |
| 144 | New York State Bank | Mechanics' and Farmers' Bank | Albany. |
| 268 | New York State Bank, incorporated | do do | Albany. |
| 191 | Niagara County Bank | Merchants' National Bank | Albany. |
| 82 | North America, Bank of | New York State National Bank | Albany. |
| | | National Bank of North America | New York. |
| 145 | North River Bank | Mechanics' and Farmers' Bank | Albany. |
| 15 | Norwich, Bank of | Metropolitan National Bank | New York. |
| 90 | Ocean Bank | New York State National Bank | Albany. |
| | Ogdensburgh Bank, incorporated | Albany City National Bank | Albany. |
| 118 | Old Saratoga, Bank of | New York State National Bank | Albany. |
| | Oneida Bank, incorporated | Albany City National Bank | Albany. |
| 203 | Oneida Central Bank | New York State National Bank | Albany. |
| | Oneida County Bank | American Exchange National Bank | New York. |
| 43 | Oneida Valley Bank | New York State National Bank | Albany. |
| | Onondaga County Bank, incorporated | do do | Albany. |
| 214 | Ontario, Bank of | First National Bank | New York. |
| | | New York State National Bank | Albany. |
| 59 | O. Paddock & Co.'s Bank | do do | Albany. |
| | Orange County, Bank of | Metropolitan Bank | New York. |
| | Orange County, Bank of, incorporated | do do | New York. |
| 121 | Orangetown, Bank of | New York State National Bank | Albany. |
| 63 | Oriental Bank | Oriental Bank | New York. |
| 182 | Orleans County Bank | New York State National Bank | Albany. |
| 16 | Oswegatchie Bank | National Park Bank | New York. |
| 98 | Oswego River Bank | Albany City National Bank | Albany. |
| | Otego, Bank of | Vermilye & Co. | New York. |
| 56 | Otsego County Bank | Mechanics' and Farmers' Bank | Albany. |
| | Otsego County Bank, incorporated | do do | Albany. |
| 71 | Owego, Bank of, incorporated | Metropolitan National Bank | New York. |
| 92 | Pacific Bank | New York State National Bank | Albany. |
| 226 | Palisade Bank | do do | Albany. |
| 93 | Park Bank | do do | Albany. |
| 136 | Pawling, Bank of | do do | Albany. |
| | People's Bank, New York | People's Bank | New York. |
| 258 | Perrin Bank | New York State National Bank | Albany. |
| 89 | Phenix Bank | do do | Albany. |
| 264 | Phenix Bank, incorporated | do do | Albany. |
| 159 | Port Byron, Bank of | do do | Albany. |
| 45 | Port Jervis, Bank of | Hanover National Bank | New York. |
| 53 | Poughkeepsie, Bank of | Mercantile National Bank | New York. |
| 72 | Poughkeepsie, Bank of, incorporated | do do | New York. |
| 245 | P. R. Westfall's Bank | New York State National Bank | Albany. |
| 37 | Quassaick Bank | National Park Bank | New York. |
| 188 | Q. W. Wellington & Co.'s Bank | New York State National Bank | Albany. |
| 254 | Randall Bank | do do | Albany. |
| | Rensselaer County Bank | Bank of Troy | Troy. |
| | Republic, Bank of the | National Bank of the Republic | New York. |
| 102 | Rhinebeck, Bank of | New York State National Bank | Albany. |
| 194 | R. L. Ingersoll & Co.'s Bank | do do | Albany. |
| 80 | R. M. Goddard & Co.'s Bank | Merchants' National Bank | Albany. |
| 181 | Rochester Bank | New York State National Bank | Albany. |
| | Rochester City Bank, incorporated | do do | Albany. |
| | Rochester Exchange Bank | do do | Albany. |
| 172 | Rockland County Bank | do do | Albany. |
| 270 | Rome Bank of, incorporated | do do | Albany. |
| 110 | Rome Exchange Bank | do do | Albany. |
| | Rondout, Bank of | American Exchange National Bank | New York. |
| 105 | Salem, Bank of | New York State National Bank | Albany. |
| 70 | Salina, Bank of, incorporated | Albany City National Bank | Albany. |
| 147 | Salt Springs Bank | do do | Albany. |
| 179 | Saratoga County Bank | National Albany Exchange Bank | Albany. |
| | Saratoga County Bank, incorporated | Union National Bank | Troy. |
| 76 | Saratoga Springs, Bank of | New York State National Bank | Albany. |
| 242 | Saugerties Bank | do do | Albany. |
| 56 | Schenectady Bank | National Commercial Bank | Albany. |
| | Schenectady Bank, incorporated | do do | Albany. |
| 237 | Schoharie County Bank | New York State National Bank | Albany. |
| | Seneca County Bank, incorporated | Albany City National Bank | Albany. |
| 170 | Seneca Falls, Bank of | Merchants' National Bank | Albany. |
| 146 | Setauket Bank | New York State National Bank | Albany. |
| 117 | Shoe and Leather Bank | do do | Albany. |
| 66 | Silver Creek, Bank of | Albany City National Bank | Albany. |

## TABLE No. 7—(*Continued*).

| | NAMES OF BANKS. | Redeeming Banks. | Location. |
|---|---|---|---|
| 127 | Smith's Bank of Perry | Albany City National Bank | Albany. |
| 49 | Spraker Bank | do do | Albany. |
| | State of New York Bank | Metropolitan National Bank | New York. |
| 106 | State Bank of Troy | New York State National Bank | Albany. |
| 152 | Steuben County Bank | do do | Albany. |
| 273 | Steuben County Bank, incorporated | do do | Albany. |
| 101 | Stissing Bank | do do | Albany. |
| 178 | Suffolk County Bank | do do | Albany. |
| | Susquehanna Valley Bank | Mercantile National Bank | New York. |
| 216 | Syracuse, Bank of | New York State National Bank | Albany. |
| 212 | Syracuse City Bank | Albany City National Bank | Albany. |
| 14 | Tanners' Bank | Union National Bank | New York. |
| 69 | Tanners' Bank, incorporated | do do | New York. |
| 229 | Tioga, Bank of | Importers' and Traders' Nat'l Bank<br>New York State National Bank | New York.<br>Albany. |
| 255 | T. O. Grannis & Co.'s Bank | do do | Albany. |
| | Tompkins County Bank, incorporated | Metropolitan National Bank | New York. |
| 240 | Traders' Bank, Rochester (formerly Manufacturers', then Eagle Bank) | New York State National Bank | Albany. |
| 157 | Tradesmen's Bank | do do | Albany. |
| | Tradesmen's Bank, incorporated | Tradesmen's National Bank | New York. |
| 138 | Troy, Bank of | New York State National Bank | Albany. |
| | Troy, Bank of, incorporated | National Bank of the State of N. Y. | New York. |
| 269 | Troy City Bank, incorporated | New York State National Bank | Albany. |
| 263 | Trumansburg, Bank of | do do | Albany. |
| 120 | Ulster, Bank of | do do | Albany. |
| 241 | Ulster County Bank | do do | Albany. |
| 275 | Ulster County Bank, incorporated | do do | Albany. |
| 44 | Unadilla Bank | do do | Albany. |
| 81 | Union Bank of Albany | Albany City National Bank | Albany. |
| 116 | Union Bank of Kinderhook | New York State National Bank | Albany. |
| | Union Bank of Medina | Adams, Kimball and Moore | New York. |
| 220 | Union Bank, New York | New York State National Bank | Albany. |
| 27 | Union Bank of Rochester | Albany City National Bank | Albany. |
| 195 | Union Bank of Sullivan County | New York State National Bank<br>National Bank of the Republic | Albany.<br>New York. |
| 42 | Union Bank of Troy | Albany City National Bank | Albany. |
| 22 | Union Bank of Watertown | New York State National Bank | Albany. |
| 41 | Utica, Bank of | Albany City National Bank | Albany. |
| | Utica and Branch, Bank of, incorporated | do do | Albany. |
| 232 | Utica City Bank | New York State National Bank | Albany. |
| 46 | Vernon, Bank of | Atlantic National Bank | New York. |
| | Wallkill Bank | Hanover National Bank | New York. |
| 135 | Washington County Bank | Union National Bank | Albany. |
| 52 | Watertown, Bank of | National Currency Bank | New York. |
| 35 | Watertown Bank and Loan Company | Albany City National Bank | Albany. |
| 173 | Waterville, Bank of | New York State National Bank | Albany. |
| 158 | Waverly Bank | do do | Albany. |
| 196 | Weedsport Bank | do do | Albany. |
| | Westchester County Bank | National Bank of North America | New York. |
| | Westchester County Bank, incorporated | do do | New York. |
| 39 | Westfield, Bank of | Ninth National Bank | New York. |
| 79 | West Troy, Bank of | First National Bank<br>National Bank of West Troy | Albany.<br>W. Troy. |
| 184 | West Winfield Bank | National Albany Exchange Bank | Albany. |
| 213 | White's Bank of Buffalo | New York State National Bank | Albany. |
| 231 | Whitehall, Bank of | Mechanics' and Farmers' Bank | Albany. |
| | Whitehall, Bank of, incorporated | Merchants' and Mechanics' Bank | Troy. |
| 205 | Whitestown, Bank of | New York State National Bank | Albany. |
| 126 | Williamsburgh City Bank | Merchants' National Bank | Albany. |
| 28 | Wooster Sherman's Bank | Manufacturers' and Merchants' Bank | New York. |
| 111 | Worthington Bank | New York State National Bank | Albany. |
| 96 | Wyoming County Bank | do do | Albany. |
| | Yonkers, Bank of | National Park Bank | New York. |

## TABLE No. 8.

*STATEMENT showing the number of mutilated notes, the denominations, and the amount returned and destroyed during the year ending September* 30, 1871.

FREE BANKS.

| No. of Notes. | Denominations. | Amount. |
|---|---|---|
| 2,537 | 1 | $2,537 |
| 1,275 | 2 | 2,550 |
| 559 | 3 | 1,677 |
| 1,672 | 5 | 8,360 |
| 673 | 10 | 6,730 |
| 158 | 20 | 3,160 |
| 26 | 50 | 1,300 |
| 43 | 100 | 4,300 |
| 1 | 300 | 300 |
| 6,944 | | $30,914 |

INCORPORATED BANKS.

| | | |
|---|---|---|
| 1,341 | 1 | $1,341 |
| 761 | 2 | 1,522 |
| 711 | 3 | 2,133 |
| 986 | 5 | 4,930 |
| 412 | 10 | 4,120 |
| 63 | 20 | 1,260 |
| 6 | 50 | 300 |
| 12 | 100 | 1,200 |
| 4,292 | | $16,806 |
| | Old emission | 57 |
| | | $16,863 |

## TABLE No. 9.

*Banks whose notes were advertised subsequent to the passage of chapter 236, Laws of 1859, to be redeemed under the provisions of that act, or of chapter 331, Laws of 1850, or of chapter 362, Laws of 1864, and the time for the redemption of which has expired.*

| NAMES OF BANKS. | Location. | When time for redemption expired. |
|---|---|---|
| Addison Bank | Addison | September 1, 187 |
| American Exchange Bank | New York | June 16, 1871 |
| Artisans' Bank | New York | December 5, 1867 |
| Bank of Albany | Albany | December 12, 1867 |
| Bowery Bank* | New York | March 11, 1869 |
| Brockport Exchange Bank* | Brockport | May 7, 1868 |
| Bank of the Capitol | Albany | December 14, 1867 |
| Cataract Bank | Lockport | November 15, 1867 |
| Bank of Central New York | Utica | March 31, 1868 |
| Clinton Bank | Buffalo | May 17, 1871 |
| Commercial Bank | Troy | December 21, 1870 |
| Bank of Corning | Corning | June 2, 1866 |
| Farmers' Bank* | Lansingburgh | August 19, 1871 |
| Farmers' Bank of Saratoga County | Crescent | January 24, 1866 |
| Bank of Genesee, incorporated | Batavia | October 12, 1865 |
| H. J. Miner's Bank of Utica | Fredonia | March 11, 1867 |
| Hollister's Bank of Buffalo | Buffalo | May 2, 1865 |
| Hollis White & Co.'s Bank | Niagara Falls | September 11, 1867 |
| Bank of Hornellsville | Hornellsville | May 23, 1865 |
| Bank of the Interior | Albany | September 11, 1867 |
| Importers' and Traders' Bank | New York | June 10, 1871 |
| J. W. Rumsey & Co.'s Bank | Tarrytown | December 12, 1867 |
| Knickerbocker Bank | New York | July 6, 1867 |
| Lake Mahopac Bank | Mahopac | February 15, 1866 |
| Leather Manufacturer's Bank, incorporated | New York | July 22, 1870 |
| Luther Wright's Bank | Oswego | May 23, 1865 |
| Madison County Bank, incorporated | Cazenovia | April 2, 1868 |
| Marine Bank | New York | May 26, 1871 |
| Mechanics' Banking Association | New York | April 6, 1871 |
| Medina Bank | Medina | January 12, 1868 |
| Merchants' Bank, incorporated | New York | December 17, 1869 |
| Merchants' Bank of Erie County | Lancaster | April 30, 1870 |
| Merchants' Exchange Bank, incorporated | New York | March 9, 1871 |
| Monroe Bank of Rochester | Cuba | December 21, 1865 |
| National Bank, incorporated | New York | June 3, 1871 |
| National Bank of Albany | Albany | December 18, 1867 |
| New York Exchange Bank | New York | June 7, 1871 |
| Oliver Lee & Co.'s Bank | Buffalo | June 20, 1865 |
| Onondaga Bank | Syracuse | January 3, 1867 |
| President, Directors and Company of the Ontario Bank | Utica | December 7, 1866 |
| Powell Bank | Newburgh | November 2, 1866 |
| Pulaski Bank | Pulaski | July 20, 1869 |
| Putnam Valley Bank | Putnam Valley | May 24, 1865 |
| Saint Nicholas Bank | New York | June 26, 1871 |
| Seventh Ward Bank, incorporated | New York | August 29, 1870 |
| Bank of Sing Sing | Sing Sing | March 1, 1867 |
| State Bank at Saugerties | Saugerties | March 16, 1866 |
| Union Bank, incorporated | New York | June 15, 1870 |
| Western Bank of Lockport | Lockport | June 20, 1865 |
| William Williams' Bank of Hastings | Hastings | June 7, 1870 |

* These had not on the 1st of December, withdrawn their balances of cash.

## TABLE No. 10.

*Account with the State Treasury.*

| | | |
|---|---|---|
| The State treasury was in advance at the beginning of the fiscal year, October 1, 1870 | | $5,040 18 |
| The following sums were drawn from the treasury from October 1, 1870, to October 1, 1871: | | |
| For salaries | $8,970 59 | |
| For miscellanies | 1,427 91 | |
| For postage | 315 07 | |
| | | 10,713 57 |
| | | $15,753 75 |
| There was paid into the treasury during the same time | $10,605 00 | |
| Expenses to the amount of $1,800, included in the above aggregate of $15,753.75, were incurred on account of savings banks, and during the fiscal year were reimbursed by them | 1,800 00 | |
| | | 12,405 00 |
| Leaving the State treasury in advance on account of banks and trust companies, as shown by the books of the department | | $3,348 75 |

NOTE. The sum of $20,453.54 mentioned on page 10 of the report as having been paid into the State treasury, December 20, liquidates the balance of the account against the department as shown above, and leaves at its credit, without deducting the current expenses to that date, the sum of $17,104.79, applicable to the payment of expenses incurred for the banks (other than savings banks) and trust companies.

## TABLE No. 11.

*The following are the names of persons employed in this Department, and the amount of their respective salaries, such salaries being fixed, and not subject to the percentage heretofore allowed by the Department in accordance with the increase granted by the Legislature to the deputies and clerks employed in the other departments:*

| | |
|---|---|
| Isaac Smith, accountant | $890 |
| George W. Sill, money and securities clerk | 400 |
| J. Mansfield Havens, agent in New York, in charge of bank-note plates and printing | 400 |

# TABLE No. 12.

STATEMENT *showing the condition of the Banks of the State of New York on the morning of Saturday, the 24th day of December*, 1870, *together with the names and residences of their agents to redeem their circulation on the morning of the 25th day of January*, 1871. NOTE.—*Banks in the cities of Troy, Albany, Brooklyn and New York are not required to have such agents; all others which have issued circulating notes must have an agent in New York, Albany or Troy.*

| NEW YORK CITY BANKS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corporations other than b'ks and depositors | Due Treasurer of the State of New York. | Due depositors on demand. | Amnt. due not included in either of the above heads. | Total liabilities. |
| Bank of America | | $3,000,000 | $1,450 | $2,055,863 | $1,533,641 | $85,659 | ..... | $5,579,269 | ..... | $12,305,884 |
| Bank of North America | | 1,000,000 | 4,057 | 247,440 | 287,175 | ..... | ..... | 8,634,990 | $587 | 10,174,251 |
| Bull's Head Bank | | 200,000 | 6,407 | 115,885 | 34,008 | ..... | ..... | 1,599,000 | 981 | 1,956,283 |
| Corn Exchange Bank | | 1,000,000 | 5,737 | 551,175 | 24,028 | ..... | ..... | 3,655,051 | 5,510 | 5,241,502 |
| Eleventh Ward Bank | | 200,000 | ..... | 22,191 | ..... | ..... | ..... | 516,781 | 297 | 739,270 |
| Germania Bank | | 200,000 | ..... | 25,565 | ..... | ..... | ..... | 831,483 | ..... | 1,057,048 |
| German American Bank | | 1,000,000 | ..... | 55,394 | 429,877 | ..... | ..... | 1,750,379 | 832,063 | 4,060,714 |
| Greenwich Bank | | 200,000 | 2,929 | 200,309 | 3,748 | ..... | ..... | 743,307 | 1,277 | 1,151,572 |
| Grocer's Bank | | 300,000 | 2,015 | 110,337 | 7,387 | ..... | ..... | 591,631 | ..... | 1,011,371 |
| Harlem Bank | | 100,000 | ..... | 10,168 | 13,765 | ..... | ..... | 220,969 | ..... | 344,902 |
| Manhattan Company | | 2,050,000 | 9,840 | 1,060,011 | 354,122 | ..... | $64,210 | 5,062,844 | ..... | 8,601,028 |
| Manufacturers' and Builders' Bank | | 100,000 | ..... | 28,432 | ..... | ..... | ..... | 1,006,339 | ..... | 1,134,772 |
| Manufacturers' and Merchants' Bk | | 500,000 | 677 | 87,086 | 100,023 | ..... | ..... | 1,142,018 | 556 | 1,830,361 |
| Mutual Bank | | 105,650 | ..... | 13,443 | ..... | ..... | ..... | 176,999 | 613 | 296,706 |
| Murray Hill Bank | | 194,550 | ..... | 5,253 | ..... | ..... | ..... | 175,103 | ..... | 374,907 |
| Nassau Bank | | 1,000,000 | 3,946 | 83,534 | 149,770 | ..... | ..... | 1,745,012 | 2,368 | 2,985,632 |
| New York Gold Exchange Bank | | 500,000 | ..... | 183,441 | ..... | ..... | ..... | ..... | ..... | 683,441 |
| Ninth Ward Bank* | | 5,850 | ..... | ..... | ..... | ..... | ..... | 8,439 | ..... | 14,289 |
| North River Bank | | 400,000 | 11,000 | 72,055 | 4,814 | ..... | ..... | 1,605,515 | 161 | 2,093,547 |
| Oriental Bank | | 300,000 | 4,671 | 320,985 | ..... | ..... | ..... | 1,970,721 | 1,495 | 1,697,872 |
| Pacific Bank | | 422,700 | 4,724 | 400,932 | ..... | ..... | ..... | 1,695,667 | 1,736 | 2,525,759 |
| People's Bank | | 412,500 | 5,935 | 235,317 | 54,826 | ..... | ..... | 1,397,402 | 227 | 2,106,208 |
| Security Bank | | 250,000 | ..... | 30,241 | 46,398 | ..... | ..... | 559,963 | ..... | 886,604 |
| Stuyvesant Bank | | 200,000 | ..... | 25,981 | ..... | ..... | ..... | 475,393 | ..... | 701,374 |
| Wall Street Exchange Bank | | 100,000 | ..... | 4,796 | ..... | ..... | ..... | 38,163 | ..... | 142,959 |
| West Side Bank | | 200,000 | ..... | 54,109 | ..... | ..... | ..... | 735,100 | ..... | 989,209 |
| Total New York city banks | | $13,941,250 | $63,388 | $5,999,943 | $3,086,582 | $85,659 | $64,210 | $41,017,538 | $848,871 | $65,107,465 |

* Commenced business November 1, 1870.

TABLE No. 12 — (*Continued*).

| OTHER BANKING ASSOCIATIONS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due Banks. | Due individuals & corporations other than bk's and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| Bank of Attica | N. Y. State Nat'l B'k, Albany. | $250,000 | $4,120 | $128,102 | $34,619 | ..... | $54,137 | $589,829 | ..... | $1,060,808 |
| Bank of Chenango | N. Y. State Nat'l B'k, Albany. | 150,000 | 4,137 | 31,149 | 7,085 | ..... | ..... | 94,302 | ..... | 286,674 |
| Bank of Cortland | Has no circulating notes | 100,000 | ..... | 6,149 | 12,226 | ..... | ..... | 122,254 | $48,646 | 289,275 |
| Bank of Dansville | Metropolitan Nat'l B'k, N. Y. | 25,270 | 10,411 | 33,584 | ..... | ..... | ..... | 172,366 | ..... | 241,631 |
| Bank of Lansingburgh | Has no circulating notes | 150,000 | ..... | 122,208 | 5,941 | ..... | ..... | 660,317 | 4,020 | 942,487 |
| Bank of Monroe | Has no circulating notes | 100,000 | ..... | 47,556 | 3,336 | ..... | 37,226 | 203,039 | 90,402 | 481,561 |
| Bank of Silver Creek | Albany City National Bank | 82,290 | 6,958 | 29,098 | 4,890 | ..... | ..... | 82,740 | 2,250 | 208,227 |
| Bank of Skaneateles | Has no circulating notes | 100,000 | ..... | 9,099 | 711 | ..... | ..... | 74,624 | ..... | 184,436 |
| Bank of Trumansburg | Am. Exchange Nat'l B'k, N. Y. | 20,000 | 367 | 504 | ..... | $5,000 | ..... | 41,325 | ..... | 67,196 |
| Brooklyn Bank, Brooklyn | ..... | 300,000 | 10,274 | 174,084 | 44,205 | ..... | ..... | 763,965 | 749 | 1,293,278 |
| Central Bank, Westchester Co | Has no circulating notes | 100,000 | ..... | 11,916 | 7,070 | ..... | ..... | 120,832 | ..... | 239,818 |
| City Bank of Oswego | Albany City National Bank | 276,400 | 5,419 | 21,574 | 9,764 | ..... | 68,836 | 229,419 | ..... | 611,413 |
| Commercial Bank of Brooklyn | ..... | 100,000 | ..... | 8,339 | 100 | ..... | ..... | 134,303 | 182 | 242,924 |
| Farmers' Bank, Fayetteville | Has no circulating notes | 100,000 | ..... | 5,648 | 1,809 | ..... | ..... | 82,269 | ..... | 189,728 |
| Fulton Bank, Brooklyn | ..... | 200,000 | ..... | 13,112 | ..... | ..... | ..... | 320,113 | 35 | 533,261 |
| Hope Bank, Albany | ..... | 50,000 | 1,201 | 8,042 | 13,468 | 48,463 | ..... | 167,711 | ..... | 288,886 |
| Long Island Bank, Brooklyn | ..... | 400,000 | 7,369 | 143,296 | 21,032 | ..... | ..... | 713,861 | 447 | 1,286,006 |
| Manufacturers' and Traders' Bank | Albany City Nat'l B'k, Albany | 900,000 | 3,381 | 93,119 | 145,583 | ..... | 54,243 | 570,242 | ..... | 1,766,569 |
| Marine Bank, Buffalo | Mech. and Farm. B'k, Albany. | 200,000 | 4,630 | 173,068 | 60,036 | ..... | 54,373 | 587,989 | ..... | 1,080,098 |
| Mechanics' Bank, Brooklyn | ..... | 500,000 | 6,793 | 336,369 | 16,100 | ..... | ..... | 1,414,243 | 416 | 2,273,923 |
| Mech. and Farmers' Bk, Albany | ..... | 350,000 | 5,769 | 511,601 | 117,123 | 100 | ..... | 896,441 | ..... | 1,881,035 |
| Mech. and Traders' Bk, Brooklyn | ..... | 100,000 | ..... | 13,720 | ..... | 7,000 | ..... | 225,144 | 171 | 346,036 |
| Merch. and Mechanics' Bk, Troy | ..... | 300,000 | 7,269 | 76,435 | 252,188 | ..... | ..... | 232,089 | 150 | 868,133 |
| Merchants' Bank, Watertown | Has no circulating notes | 150,000 | ..... | 6,724 | 24,082 | 12,144 | ..... | 329,166 | 7,223 | 529,340 |
| New York and Erie Bank, Buffalo | Am. Exchange Nat'l B'k, N. Y. | 300,000 | 3,964 | 21,769 | 20,670 | ..... | 53,866 | 320,278 | ..... | 720,550 |
| Oneida County Bank | Am. Exchange Nat'l B'k, N. Y. | 125,000 | 3,196 | 56,996 | 2,368 | ..... | 8,920 | 263,595 | ..... | 460,076 |
| Phœnix Bank | Has no circulating notes | 45,000 | ..... | 8,024 | 1,298 | 5,000 | 8,750 | 37,502 | 5,697 | 111,274 |
| Schenectady Bank | Nat'l Commercial B'k, Albany | 100,000 | 479 | 41,350 | 11,548 | 1,160 | ..... | 313,561 | 3,605 | 471,705 |
| State Bank of Olean | Has no circulating notes | 100,000 | ..... | 2,311 | ..... | ..... | ..... | 42,566 | ..... | 144,878 |
| Steuben County Bank | Metropolitan Nat'l B'k, N. Y. | 150,000 | 276 | 11,359 | 51,816 | ..... | ..... | 77,969 | ..... | 291,421 |
| Susquehanna Valley Bank | Mercantile Nat'l Bank, N. Y. | 100,000 | 3,400 | 35,531 | 32,526 | ..... | ..... | 176,657 | 95 | 348,210 |
| Union Bank of Medina | Adams, Kimball & Moore, N.Y. | 75,000 | 1,087 | 8,308 | 1,413 | 3,357 | 34,075 | 57,121 | ..... | 180,363 |
| White's Bank of Buffalo | New York State Nat'l Bank | 200,000 | 7,482 | 52,943 | 196,642 | 23,330 | 54,182 | 333,356 | ..... | 867,937 |
| | | $6,198,960 | $97,982 | $2,243,087 | $1,099,649 | $105,554 | $428,608 | $10,451,188 | $164,088 | $20,789,157 |

TABLE No. 12—(*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Partners and residences. | Agents and residences. | Liabilities. Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corporations other than b'ks and depositors. |
|---|---|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | No partners | Amasa J. Foster, New York. | $5,000 | $4,954 | $97 | ..... | ..... |
| Henry D. Barto & Co.'s Bank | H. D. Barto. Trumansburgh. | No partners | Atlantic National Bank, N.Y. | 20,000 | 338 | 2,628 | $4,560 | $72,215 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | No partners | F. T. Baker, 11 Wall st. N.Y. | ..... | 3,816 | 104 | ..... | ..... |
| | | | | $25,000 | $9,108 | $2,829 | $4,560 | $72,215 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | ..... | $20,165,210 | $170,478 | $8,245,859 | $4,190,791 | $263,428 |

| INDIVIDUAL BANKS. | Bankers and residences. | Partners and residences. | Agents and residences. | Liabilities. Due Treasurer of the State of New York. | Due depositors on demand. | Amount due not included in either of the above heads. | Total liabilities. |
|---|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | No partners | Amasa J. Foster, New York. | ..... | $13,581 | ..... | $23,632 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | No partners | Atlantic National Bank, N. York. | ..... | 72,389 | ..... | 172,131 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | No partners | F. T. Baker, 11 Wall st. N. York. | ..... | ..... | ..... | 3,920 |
| | | | | ..... | $85,970 | ..... | $199,683 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | $96 | $30 |
| Grand totals | ..... | ..... | ..... | $492,818 | $51,554,696 | $1,013,055 | $86,096,335 |

TABLE No. 12—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Loans and discounts, less due from directors and bankers. | Overdrafts. | Due from banks. | Due from directors. | Due from brokers. | Real estate. | Specie. |
| Bank of America | $6,196,168 | $962 | $662,762 | $166,000 | ..... | $150,000 | $1,009,141 |
| Bank of North America | 2,084,464 | ..... | 173,911 | 115,775 | $457,994 | 130,000 | 103,522 |
| Bull's Head Bank | 1,449,845 | 2,617 | 102,749 | 38,000 | 50,000 | 61,139 | 5,355 |
| Corn Exchange Bank | 1,404,883 | 41 | 196,405 | 107,000 | 709,000 | 107,500 | 48,427 |
| Eleventh Ward Bank | 393,144 | 250 | 54,588 | 41,000 | ..... | 40,494 | ..... |
| Germania Bank | 815,104 | 2,018 | 132,658 | ..... | ..... | 11,524 | 3,925 |
| German American Bank | 2,824,475 | ..... | 155,774 | 21,000 | ..... | ..... | 67,696 |
| Greenwich Bank | 812,009 | ..... | 30,028 | 13,800 | ..... | 15,963 | ..... |
| Grocer's Bank | 565,264 | ..... | 28,898 | 81,856 | ..... | 25,000 | 4,282 |
| Harlem Bank | 253,814 | 1,756 | 38,401 | ..... | ..... | ..... | ..... |
| Manhattan Company | 4,648,563 | ..... | 298,621 | 622,737 | ..... | 304,750 | 303,011 |
| Manufacturers' and Builders' Bank | 885,286 | ..... | 165,111 | ..... | ..... | ..... | 6,100 |
| Manufacturers' and Merchants' Bank | 894,926 | 3,367 | 121,498 | 27,000 | 110,000 | 8,500 | 1,338 |
| Mutual Bank | 178,742 | ..... | 3,501 | 23,332 | ..... | 20,000 | 298 |
| Murray Hill Bank | 253,298 | ..... | 14,209 | 55,717 | ..... | ..... | ..... |
| Nassau Bank | 1,832,668 | ..... | 192,754 | 81,000 | ..... | 185,771 | 67,913 |
| New York Gold Exchange Bank | 31,400 | 3,144 | 69,764 | ..... | 250,500 | ..... | ..... |
| Ninth Ward Bank* | ..... | ..... | 12,733 | ..... | ..... | ..... | ..... |
| North River Bank | 1,086,418 | 1,828 | 234,496 | 41,500 | 50,000 | 95,080 | 20,596 |
| Oriental Bank | 946,762 | 33 | 45,976 | 69,565 | 200,000 | 62,836 | 1,714 |
| Pacific Bank | 1,759,213 | ..... | 76,864 | 13,595 | ..... | 100,000 | 10,501 |
| People's Bank | 1,256,939 | 209 | 139,822 | 101,643 | ..... | 40,187 | 10,936 |
| Security Bank | 632,995 | 726 | 53,684 | ..... | ..... | 13,806 | ..... |
| Stuyvesant Bank | 426,319 | ..... | 26,026 | 11,071 | ..... | 50,000 | 2,698 |
| Wall Street Exchange Bank | 108,278 | 300 | 740 | ..... | ..... | ..... | ..... |
| West Side Bank | 679,197 | 53 | 89,602 | 22,983 | 30,000 | 7,071 | ..... |
| Total New York city banks | $32,420,174 | $17,304 | $3,031,575 | $1,654,574 | $1,848,494 | $1,436,621 | $1,667,453 |
| OTHER BANKING ASSOCIATIONS. | | | | | | | |
| Bank of Attica | $1,027,501 | $1,299 | $2,166 | ..... | ..... | ..... | ..... |
| Bank of Chenango | 222,990 | 1,520 | 5,343 | $20,270 | ..... | $2,164 | $540 |
| Bank of Cortland | 220,139 | 6,924 | 28,900 | 8,047 | ..... | 5,384 | 132 |
| Bank of Dansville | 179,769 | 3,668 | 8,123 | ..... | $6,594 | 7,152 | 13,760 |
| Bank of Lansingburgh | 211,364 | 466 | 16,837 | 19,616 | ..... | 15,126 | 636 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Bank of Monroe | 384,905 | 599 | 8,409 | 38,200 | ..... | 20,000 | ..... |
| Bank of Silver Creek | 136,031 | 19 | 10,360 | 3,000 | ..... | 327 | 479 |
| Bank of Skaneateles | 170,434 | ..... | 1,939 | ..... | ..... | ..... | ..... |
| Bank of Trumansburg | 47,427 | 116 | 6,410 | ..... | ..... | 7,725 | 60 |
| Brooklyn Bank, Brooklyn | 789,682 | 175 | 81,879 | 44,750 | ..... | 7,000 | 2,503 |
| Central Bank, Westchester County | 153,513 | ..... | 34,963 | 7,860 | ..... | 14,565 | 54 |
| City Bank of Oswego | 458,404 | 10,409 | 21,273 | 84,000 | ..... | 14,131 | 768 |
| Commercial Bank of Brooklyn | 184,930 | ..... | 19,801 | ..... | ..... | ..... | ..... |
| Farmers' Bank, Fayetteville | 117,429 | 1,515 | 19,381 | 25,386 | ..... | ..... | 41 |
| Fulton Bank, Brooklyn | 402,253 | ..... | 48,860 | ..... | ..... | ..... | ..... |
| Hope Bank, Albany | 256,114 | ..... | 7,090 | ..... | ..... | ..... | 357 |
| Long Island Bank, Brooklyn | 862,531 | ..... | 12,098 | 10,050 | ..... | 8,000 | 667 |
| Manufacturers' and Traders' Bank | 1,592,381 | 123 | 76,632 | 2,000 | ..... | ..... | 14,975 |
| Marine Bank, Buffalo | 1,005,399 | 2,119 | 15,860 | ..... | ..... | 5,000 | ..... |
| Mechanics' Bank, Brooklyn | 1,417,032 | 269 | 83,825 | 175,696 | 195,000 | 75,000 | 1,033 |
| Mechanics' and Farmers' Bank, Albany | 964,403 | †56,698 | 273,614 | 2,000 | 25,223 | 50,000 | 490 |
| Mechanics' and Traders' Bank, Brooklyn | 193,528 | ..... | 22,596 | 10,500 | 40,000 | 18,852 | ..... |
| Merchants' and Mechanics' Bank, Troy | 692,460 | 3,485 | 40,141 | 35,698 | ..... | 10,000 | 452 |
| Merchants' Bank, Watertown | 393,235 | 15,129 | 23,072 | ..... | ..... | 20,000 | 185 |
| New York and Erie Bank, Buffalo | 453,455 | 2,779 | 69,818 | 17,000 | ..... | 79,915 | ..... |
| Oneida County Bank | 378,358 | 1,840 | 45,171 | ..... | 1,048 | 6,462 | 69 |
| Phœnix Bank | 87,010 | 783 | 178 | 10,899 | ..... | ..... | ..... |
| Schenectady Bank | 294,837 | 42 | 65,862 | 17,073 | ..... | ..... | ..... |
| State Bank of Olean | 101,742 | 336 | 3,250 | 1,750 | 19,443 | 6,227 | ..... |
| Steuben County Bank | 259,017 | 1,525 | 1,587 | 1,100 | ..... | 14,620 | ..... |
| Susquehanna Valley Bank | 326,759 | 417 | 5,580 | ..... | ..... | 6,450 | 394 |
| Union Bank of Medina | 140,216 | 319 | 8,470 | ..... | ..... | ..... | 73 |
| White's Bank of Buffalo | 695,915 | 1,847 | 127,997 | 7,000 | ..... | ..... | 17 |
| | $14,821,163 | $114,421 | $1,197,485 | $491,895 | $287,308 | $394,100 | $37,685 |

* Commenced business November 1st, 1870.

† Due from Treasurer of State of New York, $55,259.09.

TABLE No. 12—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | |
|---|---|---|---|---|---|---|
| | Cash items. | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| Bank of America | $2,083,873 | $634,000 | ..... | $1,353,051 | $49,924 | $12,305,884 |
| Bank of North America | 6,581,576 | 260,800 | $4,000 | 200,931 | 61,276 | 10,174,251 |
| Bull's Head Bank | 166,566 | 20,000 | ..... | 50,922 | 9,088 | 1,956,283 |
| Corn Exchange Bank | 2,299,914 | 318,354 | ..... | 120,707 | 28,268 | 5,241,502 |
| Eleventh Ward Bank | 73,746 | 123,873 | ..... | ..... | 12,172 | 739,270 |
| Germania Bank | 26,239 | ..... | ..... | 63,264 | 2,314 | 1,057,048 |
| German American Bank | 683,166 | 10,622 | ..... | 252,947 | 45,032 | 4,060,714 |
| Greenwich Bank | 127,071 | 86,363 | 24,928 | 38,885 | 2,521 | 1,151,572 |
| Grocers' Bank | 58,743 | 47,197 | ..... | 167,263 | 32,865 | 1,011,371 |
| Harlem Bank | 2,820 | 15,500 | ..... | 23,251 | 9,358 | 344,902 |
| Manhattan Company | 1,118,439 | ..... | 32,161 | 1,234,809 | 37,933 | 8,601,028 |
| Manufacturers' and Builders' Bank | 31,710 | ..... | ..... | 34,704 | 11,859 | 1,134,772 |
| Manufacturers' and Merchants' Bank | 202,458 | 253,112 | 5,654 | 176,503 | 26,003 | 1,830,361 |
| Mutual Bank | 24,815 | 5,000 | ..... | 28,016 | 13,000 | 296,706 |
| Murray Hill Bank | 22,609 | 5,000 | ..... | 13,330 | 10,741 | 374,907 |
| Nassau Bank | 184,958 | 108,000 | ..... | 328,554 | 4,011 | 2,985,632 |
| New York Gold Exchange Bank | ..... | 22,715 | ..... | ..... | 305,916 | 683,441 |
| Ninth Ward Bank * | ..... | ..... | ..... | 1,538 | 16 | 14,289 |
| North River Bank | 353,751 | 12,000 | ..... | 172,108 | 25,766 | 2,093,547 |
| Oriental Bank | 136,741 | 36,500 | ..... | 170,992 | 19,751 | 1,697,872 |
| Pacific Bank | 141,449 | 15,000 | ..... | 391,511 | 17,624 | 2,525,759 |
| People's Bank | 150,989 | 173,956 | ..... | 216,035 | 15,490 | 2,106,208 |
| Security Bank | 90,758 | 33,373 | ..... | 43,211 | 18,048 | 886,604 |
| Stuyvesant Bank | 124,079 | 5,000 | ..... | 39,030 | 17,149 | 701,374 |
| Wall Street Exchange Bank | 970 | 5,000 | ..... | ..... | 27,670 | 142,959 |
| West Side Bank | 2,309 | 32,203 | ..... | 90,674 | 35,115 | 989,209 |
| Total New York city banks | $14,689,749 | $2,223,568 | $66,743 | $5,212,236 | $838,910 | $65,107,465 |
| OTHER BANKING ASSOCIATIONS. | | | | | | |
| Bank of Attica | $2,584 | $4,167 | $5,697 | $17,394 | ..... | $1,060,808 |
| Bank of Chenango | 10,866 | ..... | 2,924 | 18,217 | $1,837 | 286,674 |
| Bank of Cortland | 763 | 5,846 | ..... | 10,053 | 3,084 | 289,275 |
| Bank of Dansville | 10,409 | ..... | ..... | 7,881 | 4,272 | 241,631 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Bank of Lansingburgh | 16,063 | 636,038 | 6,125 | 18,421 | 1,791 | 942,487 |
| Bank of Monroe | 5,145 | 5,000 | ..... | 10,693 | 8,607 | 481,561 |
| Bank of Silver Creek | 197 | 50,300 | ..... | 7,230 | 280 | 208,227 |
| Bank of Skaneateles | 5,823 | 5,000 | ..... | ..... | 1,238 | 184,436 |
| Bank of Trumansburg | 2,625 | 500 | 210 | 2,007 | 113 | 67,196 |
| Brooklyn Bank, Brooklyn | 59,009 | 308,277 | ..... | ..... | ..... | 1,293,278 |
| Central Bank, Westchester county | 3,940 | 5,000 | ..... | 11,828 | 8,092 | 239,818 |
| City Bank of Oswego | 7,075 | 8,148 | 51,560 | 3,156 | 2,485 | 611,413 |
| Commercial Bank of Brooklyn | 2,572 | 20,000 | ..... | 8,775 | 6,844 | 242,924 |
| Farmers' Bank, Fayetteville | 520 | 11,700 | ..... | 10,253 | 3,500 | 189,728 |
| Fulton Bank, Brooklyn | 15,181 | 18,000 | 19,500 | 22,696 | 6,770 | 533,261 |
| Hope Bank, Albany | 11,071 | 5,300 | ..... | 8,930 | 22 | 288,886 |
| Long Island Bank, Brooklyn | 36,130 | 305,000 | 28,000 | 23,528 | ..... | 1,286,006 |
| Manufacturers' and Traders' Bank | 13,929 | 3,000 | ..... | 47,363 | 16,164 | 1,766,569 |
| Marine Bank, Buffalo | 8,398 | 7,300 | ..... | 18,709 | 17,312 | 1,080,098 |
| Mechanics' Bank, Brooklyn | 62,650 | 173,437 | ..... | 79,440 | 10,538 | 2,273,923 |
| Mechanics' and Farmers' Bank, Albany | 73,959 | 355,000 | 15,640 | 64,004 | ..... | 1,881,035 |
| Mechanics' and Traders' Bank, Brooklyn | 4,371 | 30,000 | 4,800 | 15,971 | 5,416 | 346,036 |
| Merchants' and Mechanics' Bank, Troy | 65,238 | 5,000 | 800 | 14,857 | ..... | 868,133 |
| Merchants' Bank, Watertown | 9,345 | 5,000 | 59,405 | 3,967 | ..... | 529,340 |
| New York and Erie Bank, Buffalo | 3,676 | 33,068 | 5,694 | 25,091 | 30,051 | 720,550 |
| Oneida County Bank | 7,837 | 2,000 | 2,610 | 9,090 | 5,588 | 460,076 |
| Phœnix Bank | ..... | 5,000 | ..... | 6,401 | 1,000 | 111,274 |
| Schenectady Bank | 17,178 | 27,219 | 17,000 | 32,491 | ..... | 471,705 |
| State Bank of Olean | 415 | 6,488 | ..... | 4,305 | 918 | 144,878 |
| Steuben County Bank | 1,278 | ..... | ..... | 7,712 | 4,578 | 291,421 |
| Susquehanna Valley Bank | 209 | 5,000 | ..... | 3,400 | ..... | 348,210 |
| Union Bank of Medina | 383 | 7,678 | 5,678 | 12,480 | 5,062 | 180,363 |
| White's Bank of Buffalo | 21,483 | ..... | 2,143 | 11,533 | ..... | 867,937 |
| | $480,322 | $2,053,466 | $227,786 | $537,876 | $145,562 | $20,789,157 |

* Commenced business November 1st, 1870.

TABLE No. 12 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Partners and residences. | Agents and residences. | RESOURCES. Loans & discounts, less due from directors & bankers. | Overdrafts. | Due from banks. | Due from directors. |
|---|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | No partners | Amasa J. Foster, New York | $7,979 | ..... | $4,396 | ..... |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | No partners | Atlantic National Bank, N. York | 119,322 | ..... | 2,148 | ..... |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | No partners | F. T. Baker, 11 Wall st., N. York | ..... | ..... | ..... | ..... |
| | | | | $127,301 | ..... | $6,544 | ..... |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | ..... | $47,368,638 | $131,725 | $4,235,604 | $2,146,469 |

| INDIVIDUAL BANKS. | Bankers and residences. | Partners and residences. | Agents and residences. | RESOURCES. Due from brokers. | Real estate. | Specie. | Cash items. |
|---|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | No partners | Amasa J. Foster, New York | $631 | ..... | $76 | $41 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | No partners | Atlantic National Bank, N. York | ..... | $6,854 | 311 | 1,863 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | No partners | F. T. Baker, 11 Wall st., N. York | ..... | ..... | ..... | ..... |
| | | | | $631 | $6,854 | $387 | $1,904 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | ..... | $2,136,433 | $1,837,575 | $1,705,525 | $15,171,975 |

TABLE No. 12—(*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Partners and residences. | Agents and residences. | RESOURCES. | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| Bank of Cayuga Lake | C. F. Platt, Painted Post | No partners | Amasa J. Foster, New York. | $10,000 | ..... | $389 | $119 | $23,632 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | No partners | Atlantic National Bank, N.Y. | 500 | $38,891 | 2,240 | ..... | 172,131 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | No partners | F. T. Baker, 11 Wall st. N. Y. | 3,000 | 920 | ..... | ..... | 3,920 |
| | | | | $13,500 | $39,811 | $2,629 | $119 | $199,683 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... | $185 | $30 |
| Grand totals | ..... | ..... | ..... | $4,290,534 | $334,340 | $5,752,741 | $984,776 | $86,096,335 |

NOTE.—Sixty-two banks reported.

## TABLE 12—(*Continued*).

SUMMARY, *showing the aggregate of the resources and liabilities of the Banks of the State of New York, as exhibited by their reports to the Superintendent of the Banking Department of the State of New York, of their condition on the morning of Saturday, December* 24, 1870.

| RESOURCES. | |
|---|---|
| Loans and discounts | $47, 368, 638 |
| Overdrafts | 131, 725 |
| Due from banks | 4, 235, 604 |
| Due from directors | 2, 146, 469 |
| Due from brokers | 2, 136, 433 |
| Real estate | 1, 837, 575 |
| Specie | 1, 705, 525 |
| Cash items | 15, 171, 975 |
| Stocks, promissory notes, and U. S. indebtedness certificates | 4, 290, 534 |
| Bonds and mortgages | 334, 340 |
| Bills of solvent banks, and U. S. demand and legal tender notes | 5, 752, 741 |
| Loss and expense account | 984, 591 |
| Add for cents | 185 |
| | $86, 096, 335 |

| LIABILITIES. | |
|---|---|
| Capital | $20, 165, 210 |
| Circulation | 170, 478 |
| Profits | 8, 245, 859 |
| Due banks | 4, 190, 791 |
| Due individuals and corporations other than banks and depositors | 263, 428 |
| Due Treasurer of State of New York | 492, 818 |
| Due depositors on demand | 51, 554, 696 |
| Amount due not included in either of the above heads | 1, 012, 959 |
| Add for cents | 96 |
| | $86, 096, 335 |

STATE OF NEW YORK,
BANK DEPARTMENT, ALBANY, *January* 25, 1871.

I certify that the preceding statement is an abstract of the quarterly reports made to this department by the several banks, banking associations and individual bankers (as far as it was practicable to arrange the items of the several reports under general heads), in pursuance of the third and fourth sections of the act entitled "An act to abolish the office of Bank Commissioner, and for other purposes," and the acts amendatory thereof and additional thereto, together with the summary thereof, according to law.

D. C. HOWELL, *Superintendent.*

# TABLE No. 13.

STATEMENT *showing the condition of the Banks of the State of New York on the morning of Saturday, the 25th day of March*, 1871, *together with the names and residences of their agents to redeem their circulation on the morning of the 20th day of April*, 1871. NOTE.—*Banks in the cities of Troy, Albany, Brooklyn and New York are not required to have such agents; all others which have issued circulating notes must have an agent in New York, Albany or Troy.*

| NEW YORK CITY BANKS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capita... | Notes in circulation. | Profits. | Due banks. | Due individuals and corport'ns other than b'ks and depositors | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| America, Bank of | | $3,000,000 | $1,440 | $1,963,231 | $2,068,313 | $93,626 | ..... | $7,319,199 | ..... | $14,445,811 |
| Bull's Head Bank | | 200,000 | 6,389 | 119,014 | 28,788 | ..... | ..... | 1,630,956 | $855 | 1,986,003 |
| Corn Exchange Bank | | 1,000,000 | 5,730 | 514,100 | 12,992 | ..... | ..... | 2,618,548 | 7,005 | 4,158,376 |
| Dry Goods Bank | | 760,700 | ..... | 10,932 | ..... | ..... | ..... | 684,822 | ..... | 1,456,454 |
| Eleventh Ward Bank | | 200,000 | ..... | 10,288 | ..... | ..... | ..... | 420,861 | 155 | 631,304 |
| Germania Bank | | 200,000 | ..... | 41,560 | ..... | ..... | ..... | 870,083 | ..... | 1,111,643 |
| German American Bank | | 1,000,000 | ..... | 99,138 | 541,539 | ..... | ..... | 2,203,270 | 646,006 | 4,489,954 |
| Greenwich Bank | | 200,000 | 2,929 | 217,660 | 13,075 | ..... | ..... | 725,008 | 1,227 | 1,159,900 |
| Grocer's Bank | | 300,000 | 1,915 | 76,185 | 5,582 | ..... | ..... | 686,027 | 224 | 1,069,934 |
| Harlem Bank | | 100,000 | ..... | 7,262 | 15,192 | ..... | ..... | 221,395 | ..... | 343,849 |
| Manhattan Company | | 2,050,000 | 9,829 | 977,632 | 442,056 | ..... | $93,035 | 6,393,485 | ..... | 9,966,038 |
| Manufacturers' and Builders' Bank | | 100,000 | ..... | 27,858 | ..... | ..... | ..... | 1,043,474 | ..... | 1,171,332 |
| Manufacturers' and Merchants' Bk | | 500,000 | 677 | 72,733 | 104,110 | ..... | ..... | 1,209,457 | 1,924 | 1,888,902 |
| Mutual Bank | | 105,650 | ..... | 4,170 | ..... | ..... | ..... | 169,995 | 1,152 | 280,968 |
| Murray Hill Bank | | 200,000 | ..... | 14,841 | ..... | ..... | ..... | 286,794 | ..... | 501,636 |
| Nassau Bank | | 1,000,000 | 3,943 | 119,699 | 196,589 | ..... | ..... | 1,867,365 | 752 | 3,188,349 |
| New York Gold Exchange Bank | | 500,000 | ..... | 24,292 | ..... | ..... | ..... | ..... | ..... | 524,292 |
| Ninth Ward Bank | | 77,150 | ..... | 3,082 | 1 | ..... | ..... | 117,985 | ..... | 198,220 |
| North America, Bank of | | 1,000,000 | 4,017 | 189,015 | 506,741 | ..... | ..... | 9,095,858 | 507 | 10,796,140 |
| North River Bank | | 400,000 | 10,858 | 52,587 | 815 | ..... | ..... | 1,309,207 | 708 | 1,774,176 |
| Oriental Bank | | 300,000 | 4,614 | 301,413 | ..... | ..... | ..... | 1,198,453 | 2,378 | 1,806,859 |
| Pacific Bank | | 422,700 | 4,699 | 386,165 | ..... | ..... | ..... | 1,916,615 | 1,928 | 2,732,108 |
| People's Bank | | 412,500 | 5,735 | 228,189 | 29,308 | ..... | ..... | 1,327,676 | 702 | 2,004,112 |
| Security Bank | | 500,000 | ..... | 20,651 | 41,670 | ..... | ..... | 829,507 | 140 | 1,391,969 |
| Stuyvesant Bank | | 200,000 | ..... | 11,589 | ..... | ..... | ..... | 511,382 | ..... | 722,972 |
| Wall Street Exchange Bank | | 100,000 | ..... | 4,327 | ..... | ..... | ..... | 25,111 | 2,062 | 131,501 |
| West Side Bank | | 200,000 | ..... | 21,631 | ..... | ..... | ..... | 787,786 | 60 | 1,009,478 |
| Total New York city banks | | $15,028,700 | $62,775 | $5,519,244 | $4,006,771 | $93,626 | $93,035 | $45,470,319 | $667,785 | $70,942,280 |

TABLE No. 13 — (*Continued*).

| OTHER BANKING ASSOCIATIONS. | Agents and their residences. | LIABILITIES. Capital. | Notes in circulation. | Profits. | Due Banks. | Due individuals & corporations other than bk's and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
|---|---|---|---|---|---|---|---|---|---|---|
| Attica, Bank of | N. Y. State Nat'l B'k, Albany. | $250,000 | $4,120 | $116,862 | $7,472 | ..... | $18,137 | $662,906 | ..... | $1,059,498 |
| Brooklyn Bank, Brooklyn | ..... | 300,000 | 10,094 | 166,647 | 28,923 | ..... | ..... | 958,068 | $1,649 | 1,465,382 |
| Central Bank, Westchester Co | Has no circulating notes | 100,000 | ..... | 7,095 | 5,802 | ..... | ..... | 153,220 | ..... | 266,118 |
| Chenango, Bank of | N. Y. State Nat'l B'k, Albany. | 150,000 | 4,137 | 23,782 | 6,616 | ..... | ..... | 95,786 | ..... | 280,322 |
| City Bank of Oswego | Albany City National Bank | 276,400 | 5,395 | 12,605 | 6,688 | ..... | $45,837 | 231,621 | ..... | 578,548 |
| Commercial Bank, Brooklyn | ..... | 100,000 | ..... | 5,584 | ..... | $26,192 | ..... | 194,694 | 598 | 327,069 |
| Cortland, Bank of | Has no circulating notes | 100,000 | ..... | 15,707 | 19,075 | ..... | ..... | 173,044 | 49,000 | 356,827 |
| Dansville, Bank of | Metropolitan Nat'l B'k, N. Y. | 25,270 | 10,394 | 33,618 | 26 | ..... | ..... | 159,262 | ..... | 228,571 |
| Exchange Bank of Lansingburgh. | Has no circulating notes | 100,000 | ..... | 26,462 | 8,739 | 120 | ..... | 187,336 | 25,000 | 347,658 |
| Farmers' Bank, Fayetteville | Has no circulating notes | 100,000 | ..... | 4,552 | 285 | ..... | ..... | 113,410 | ..... | 218,249 |
| Fulton Bank, Brooklyn | ..... | 200,000 | ..... | 8,084 | 3,171 | ..... | ..... | 671,515 | 1,032 | 883,804 |
| Hope Bank, Albany | ..... | 50,000 | 1,163 | 7,397 | 9,283 | 46,275 | ..... | 141,318 | ..... | 255,437 |
| Lansingburgh, Bank of | Has no circulating notes | 150,000 | ..... | 128,360 | 2,316 | ..... | ..... | 700,051 | 3,584 | 984,312 |
| Long Island Bank, Brooklyn | ..... | 400,000 | 7,335 | 125,577 | 6,078 | ..... | ..... | 882,067 | 1,355 | 1,422,412 |
| Manufacturers' and Traders' Bank | Albany City Nat'l B'k, Albany | 900,000 | 3,378 | 58,461 | 55,854 | ..... | 18,243 | 604,575 | ..... | 1,640,512 |
| Marine Bank, Buffalo | Mech. and Farm. B'k, Albany. | 200,000 | 4,628 | 135,127 | 50,818 | ..... | 36,373 | 842,229 | ..... | 1,269,177 |
| Mechanics' Bank, Brooklyn | ..... | 500,000 | 6,723 | 317,018 | 8,390 | ..... | ..... | 2,343,366 | 280 | 3,175,778 |
| Mech. and Farmers' Bk, Albany | ..... | 350,000 | 5,696 | 512,718 | 103,011 | 100 | ..... | 948,058 | ..... | 1,919,584 |
| Mech. and Traders' Bk, Brooklyn. | ..... | 100,000 | ..... | 9,167 | ..... | 3,139 | ..... | 254,222 | 266 | 366,795 |
| Merch. and Mechanics' Bk, Troy. | ..... | 300,000 | 7,263 | 61,563 | 242,047 | ..... | ..... | 329,943 | 280 | 941,098 |
| Merchants' Bank, Watertown | Has no circulating notes | 150,000 | ..... | 5,567 | 22,550 | 59,804 | ..... | 346,681 | ..... | 584,604 |
| Monroe, Bank of | Has no circulating notes | 100,000 | ..... | 46,014 | 4 | ..... | 26,740 | 286,640 | 54,998 | 514,398 |
| New York and Erie Bank, Buffalo | Am. Exchange Nat'l B'k, N. Y. | 300,000 | 3,917 | ..... | 40,275 | ..... | 17,866 | 207,610 | ..... | 569,669 |
| Oneida County Bank | Am. Exchange Nat'l B'k, N. Y. | 125,000 | 3,190 | 50,904 | 10,561 | ..... | 2,920 | 253,735 | ..... | 446,313 |
| Phœnix Bank | Has no circulating notes | 50,000 | ..... | 9,391 | 1,144 | 5,000 | 5,750 | 32,692 | ..... | 103,979 |
| Schenectady Bank | Nat'l Commercial B'k, Albany | 100,000 | 384 | 34,664 | 8,127 | 1,475 | ..... | 325,683 | 3,565 | 473,899 |
| Security Bank, Watertown | Has no circulating notes | 100,000 | ..... | 817 | 120 | ..... | ..... | 13,748 | ..... | 114,686 |
| Silver Creek, Bank of | Albany City Nat'l B'k, Albany | 82,290 | 6,912 | 35,634 | 2,424 | ..... | ..... | 84,673 | 2,250 | 214,183 |
| Skaneateles, Bank of | Has no circulating notes | 100,000 | ..... | 4,309 | 659 | ..... | ..... | 106,971 | ..... | 211,940 |
| State Bank of Olean | Has no circulating notes | 100,000 | ..... | 5,328 | ..... | ..... | ..... | 79,015 | ..... | 184,343 |
| Steuben County Bank | Metropolitan Nat'l B'k, N. Y. | 150,000 | 276 | 5,866 | 75,227 | ..... | ..... | 83,373 | ..... | 314,743 |
| Susquehanna Valley Bank | Mercantile Nat'l Bank, N. Y. | 100,000 | 3,400 | 29,623 | 33,383 | ..... | ..... | 194,928 | 210 | 361,545 |
| Union Bank of Medina | Adams, Kimball & Moore, N.Y. | 75,000 | 1,085 | 6,030 | 571 | 5,427 | 7,075 | 76,742 | ..... | 171,932 |
| Watertown, Bank of | National Currency Bank, N. Y. | 35,000 | 5,600 | ..... | ..... | 2,273 | ..... | 1,080 | 3,035 | 46,989 |
| White's Bank of Buffalo | N. Y. State Nat'l B'k, Albany. | 200,000 | 7,460 | 42,618 | 178,007 | 8,762 | 18,182 | 368,066 | ..... | 823,099 |
| | | $6,418,960 | $102,550 | $2,053,151 | $937,646 | $158,567 | $197,123 | $13,108,328 | $147,102 | $23,123,473 |

## TABLE No. 13—(*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | LIABILITIES. Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corporat'ns other than b'ks and depositors. |
|---|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | Amasa J. Foster, New York | $5,000 | $4,954 | $127 | ..... | $25,000 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | 20,000 | 338 | 4,511 | $477 | 72,215 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | Williams & Bostwick, 40 & 42 Exch. pl., N.Y. | ..... | 3,813 | 107 | ..... | ..... |
| | | | $25,000 | $9,105 | $4,745 | $477 | $97,215 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | $21,472,660 | $174,430 | $7,577,140 | $4,944,894 | $349,408 |

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | LIABILITIES. Due Treasurer of the State of New York. | Due depositors on demand. | Amount due not included in either of the above heads. | Total liabilities. |
|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | Amasa J. Foster, New York | ..... | $16,009 | ..... | $51,091 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | ..... | 78,719 | ..... | 176,261 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | 3,920 |
| | | | ..... | $94,728 | ..... | $231,272 |
| Add for cents | ..... | ..... | ..... | ..... | $104 | $31 |
| Grand totals | ..... | ..... | $290,158 | $58,673,375 | $814,991 | $94,297,056 |

## TABLE No. 13—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Loans and discounts, less due from directors and brokers. | Overdrafts. | Due from banks. | Due from directors. | Due from brokers. | Real estate. | Specie. |
| America, Bank of | $7,221,099 | $381 | $485,947 | $227,000 | ..... | $150,000 | $1,400,817 |
| Bull's Head Bank | 1,467,520 | 2,534 | 110,141 | 58,000 | ..... | 61,139 | 5,271 |
| Corn Exchange Bank | 1,541,956 | 46 | 103,612 | 40,000 | $765,000 | 107,566 | 55,832 |
| Dry Goods Bank | 613,407 | ..... | 56,541 | 2,951 | 300,000 | ..... | ..... |
| Eleventh Ward Bank | 430,779 | 85 | 47,225 | ..... | ..... | 40,494 | ..... |
| Germania Bank | 807,521 | 415 | 97,412 | ..... | ..... | 11,555 | 5,383 |
| German American Bank | 2,761,226 | ..... | 172,469 | 49,500 | ..... | ..... | 317,846 |
| Greenwich Bank | 980,330 | ..... | 31,743 | 20,414 | ..... | 15,963 | ..... |
| Grocer's Bank | 608,208 | 33 | 26,239 | 90,856 | ..... | 25,000 | 9,388 |
| Harlem Bank | 239,339 | 36 | 46,211 | ..... | ..... | ..... | ..... |
| Manhattan Company | 4,525,538 | ..... | 388,592 | 633,748 | ..... | 304,750 | 504,995 |
| Manufacturers' and Builders' Bank | 1,027,267 | ..... | 107,439 | ..... | ..... | ..... | 4,500 |
| Manufacturers' and Merchants' Bank | 1,064,281 | 4,084 | 116,243 | 29,000 | 75,000 | 8,800 | 2,589 |
| Mutual Bank | 179,158 | ..... | 8,387 | 25,181 | ..... | 20,000 | 365 |
| Murray Hill Bank | 342,910 | 8 | 47,409 | 43,135 | ..... | ..... | ..... |
| Nassau Bank | 1,994,752 | ..... | 146,013 | 216,000 | ..... | 193,000 | 59,983 |
| New York Gold Exchange Bank | 7,400 | ..... | 67,333 | ..... | 295,000 | ..... | ..... |
| Ninth Ward Bank | 138,300 | ..... | 15,599 | ..... | ..... | ..... | ..... |
| North America, Bank of | 1,733,344 | ..... | 181,595 | 160,078 | 1,050,850 | 130,000 | 56,687 |
| North River Bank | 1,057,915 | 3,116 | 118,346 | 44,106 | 25,000 | 95,080 | 19,344 |
| Oriental Bank | 934,024 | 31 | 34,454 | 55,300 | 400,000 | 69,339 | 2,200 |
| Pacific Bank | 1,995,432 | ..... | 65,876 | 11,500 | ..... | 100,000 | 12,823 |
| People's Bank | 1,375,238 | 23 | 75,879 | 55,912 | ..... | 40,187 | 3,196 |
| Security Bank | 1,007,808 | 1,382 | 35,947 | 46,122 | 12,000 | 17,477 | ..... |
| Stuyvesant Bank | 491,986 | ..... | 52,007 | 8,747 | ..... | 50,000 | 4,344 |
| Wall Street Exchange Bank | 96,611 | 300 | 740 | ..... | ..... | ..... | ..... |
| West Side Bank | 653,334 | 5 | 152,093 | 18,484 | 50,000 | 8,468 | 69 |
| Total New York city banks | $35,296,783 | $12,479 | $2,791,492 | $1,836,034 | $2,972,850 | $1,448,818 | $2,465,632 |
| OTHER BANKING ASSOCIATIONS. | | | | | | | |
| Attica, Bank of | $1,016,520 | $266 | $20,317 | ..... | ..... | ..... | ..... |
| Brooklyn Bank, Brooklyn | 954,119 | 255 | 100,995 | $42,187 | ..... | $7,000 | $2,446 |
| Central Bank, Westchester County | 193,456 | ..... | 12,442 | 7,000 | ..... | 14,565 | 49 |
| Chenango, Bank of | 198,593 | 1,720 | 34,836 | 20,375 | ..... | 2,164 | 544 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| City Bank of Oswego | 429,811 | 8,931 | 34,760 | 16,000 | ..... | 14,131 | 1,362 |
| Commercial Bank, Brooklyn | 202,657 | ..... | 15,535 | 54,635 | ..... | ..... | ..... |
| Cortland, Bank of | 161,780 | 3,996 | 128,278 | 12,612 | ..... | 8,261 | ..... |
| Dansville, Bank of | 161,392 | 1,195 | 2,917 | 4,928 | $18,418 | 7,152 | 13,778 |
| Exchange Bank of Lansingburgh | 126,622 | 834 | 24,425 | 31,336 | ..... | 22,532 | 736 |
| Farmers' Bank, Fayetteville | 135,114 | 998 | 30,897 | 17,698 | ..... | ..... | 116 |
| Fulton Bank, Brooklyn | 410,299 | ..... | 350,966 | ..... | ..... | ..... | ..... |
| Hope Bank, Albany | 229,622 | 23 | 5,245 | ..... | ..... | ..... | 322 |
| Lansingburgh, Bank of | 215,376 | 1,499 | 306,483 | 21,998 | ..... | 15,270 | 605 |
| Long Island Bank, Brooklyn | 978,466 | ..... | 89,905 | ..... | ..... | 8,000 | 662 |
| Manufacturers' and Traders' Bank | 1,497,130 | 613 | 62,815 | 12,000 | ..... | ..... | 15,043 |
| Marine Bank, Buffalo | 1,158,925 | 1 022 | 65,910 | ..... | ..... | 5,000 | ..... |
| Mechanics' Bank, Brooklyn | 1,706,448 | 193 | 43,807 | 222,403 | 1,005,000 | 75,000 | 1,674 |
| Mechanics' and Farmers' Bank, Albany | 428,843 | *7,632 | 529,179 | ..... | 34,730 | 50,000 | 451 |
| Mechanics' and Traders' Bank, Brooklyn | 247,183 | ..... | 33,354 | 13,500 | ..... | 18,852 | ..... |
| Merchants' and Mechanics' Bank, Troy | 785,300 | 3,341 | 49,515 | 36,198 | ..... | 10,000 | 427 |
| Merchants' Bank, Watertown | 446,128 | 7,102 | 16,841 | ..... | ..... | 21,116 | 100 |
| Monroe, Bank of | 434,492 | 1,848 | 17,202 | 4,200 | ..... | 20,000 | ..... |
| New York and Erie Bank, Buffalo | 392,861 | 1,622 | 2,609 | 17,000 | ..... | 79,995 | 207 |
| Oneida County Bank | 367,816 | 1,054 | 35,381 | ..... | ..... | 6,462 | 69 |
| Phœnix Bank | 67,757 | 1,837 | 13,401 | 11,185 | ..... | ..... | ..... |
| Schenectady Bank | 266,153 | ..... | 75,050 | 10,943 | ..... | 1,200 | ..... |
| Security Bank, Watertown | 64,443 | ..... | 10,444 | ..... | ..... | ..... | ..... |
| Silver Creek, Bank of | 136,307 | 534 | 41,568 | 3,000 | ..... | 327 | 469 |
| Skaneateles, Bank of | 179,825 | ..... | 6,311 | ..... | ..... | ..... | ..... |
| State Bank of Olean | 133,205 | 905 | 19,253 | ..... | 12,024 | 7,673 | ..... |
| Steuben County Bank | 280,944 | 1,031 | 9,906 | ..... | ..... | 14,974 | ..... |
| Susquehanna Valley Bank | 340,430 | 560 | 3,570 | ..... | ..... | 6,450 | 394 |
| Union Bank of Medina | 137,445 | 370 | 4,845 | ..... | ..... | ..... | 604 |
| Watertown, Bank of | 3,700 | ..... | 860 | ..... | ..... | 35,000 | ..... |
| White's Bank of Buffalo | 625,601 | 2,226 | 145,685 | 14,000 | ..... | ..... | 30 |
| | $15,114,773 | $51,607 | $2,345,507 | $573,198 | $1,070,172 | $451,124 | $40,082 |

* $6,533 32 of this amount is due from the Treasurer of the State.

TABLE No. 13—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | |
|---|---|---|---|---|---|---|
| | Cash items. | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| America, Bank of | $1,861,330 | $634,000 | ..... | $2,448,778 | $16,456 | $14,445,811 |
| Bull's Head Bank | 156,034 | 20,000 | ..... | 99,730 | 5,642 | 1,986,003 |
| Corn Exchange Bank | 1,141,226 | 264,354 | ..... | 130,534 | 8,246 | 4,158,376 |
| Dry Goods Bank | 137,064 | 5,000 | ..... | 340,939 | 550 | 1,456,454 |
| Eleventh Ward Bank | 38,616 | 68,847 | ..... | ..... | 5,254 | 631,304 |
| Germania Bank | 36,196 | ..... | ..... | 144,168 | 8,991 | 1,111,643 |
| German American Bank | 792,848 | 10,304 | ..... | 319,021 | 66,737 | 4,489,954 |
| Greenwich Bank | 33,400 | 35,779 | ..... | 31,486 | 10,841 | 1,159,900 |
| Grocers' Bank | 92,799 | 54,045 | ..... | 158,717 | 4,645 | 1,069,394 |
| Harlem Bank | 1,904 | 30,500 | ..... | 18,601 | 7,255 | 343,849 |
| Manhattan Company | 2,226,157 | ..... | $28,500 | 1,347,287 | 6,470 | 9,966,038 |
| Manufacturers' and Builders' Bank | 8,070 | ..... | ..... | 20,000 | 4,055 | 1,171,332 |
| Manufacturers' and Merchants' Bank | 186,397 | 227,629 | 5,776 | 162,372 | 6,727 | 1,888,902 |
| Mutual Bank | 21,881 | 5,000 | ..... | 18,988 | 2,006 | 280,968 |
| Murray Hill Bank | 26,755 | 5,375 | ..... | 18,529 | 17,512 | 501,636 |
| Nassau Bank | 175,457 | 108,000 | ..... | 274,915 | 20,228 | 3,188,349 |
| New York Gold Exchange Bank | 555 | 22,715 | ..... | ..... | 131,288 | 524,292 |
| Ninth Ward Bank | 3,221 | 26,650 | ..... | 4,169 | 10,278 | 198,220 |
| North America, Bank of | 6,908,353 | 260,800 | 4,000 | 298,220 | 12,211 | 10,796,140 |
| North River Bank | 197,607 | 12,000 | ..... | 195,266 | 6,392 | 1,774,176 |
| Oriental Bank | 74,798 | 36,500 | ..... | 194,472 | 5,737 | 1,806,859 |
| Pacific Bank | 189,892 | 10,600 | ..... | 341,114 | 5,469 | 2,732,108 |
| People's Bank | 89,156 | 173,956 | ..... | 184,533 | 5,930 | 2,004,112 |
| Security Bank | 85,840 | 47,092 | ..... | 127,157 | 11,142 | 1,391,969 |
| Stuyvesant Bank | 69,446 | 5,000 | ..... | 35,430 | 6,010 | 722,972 |
| Wall Street Exchange Bank | ..... | 5,000 | ..... | ..... | 28,850 | 131,501 |
| West Side Bank | 21,586 | 27,303 | ..... | 72,362 | 5,770 | 1,009,478 |
| Total New York city banks | $14,576,588 | $2,095,849 | $38,276 | $6,986,718 | $420,692 | $70,942,280 |
| OTHER BANKING ASSOCIATIONS. | | | | | | |
| Attica, Bank of | $2,418 | $4,167 | $5,697 | $10,111 | ..... | $1,059,498 |
| Brooklyn Bank, Brooklyn | 31,375 | 287,001 | ..... | 40,000 | ..... | 1,465,382 |
| Central Bank, Westchester county | 16,017 | 6,000 | ..... | 10,229 | $6,375 | 266,118 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Chenango, Bank of | 3,517 | ..... | 2,924 | 14,414 | 1,232 | 280,622 |
| City Bank of Oswego | 6,200 | 8,148 | 51,560 | 6,821 | 819 | 578,548 |
| Commercial Bank, Brooklyn | 4,763 | 30,000 | ..... | 9,607 | 9,871 | 327,069 |
| Cortland, Bank of | 4,337 | 7,127 | ..... | 19,027 | 11,405 | 356,827 |
| Dansville, Bank of | 10,392 | ..... | ..... | 3,020 | 5,376 | 228,571 |
| Exchange Bank of Lansingburgh | 742 | 113,261 | 1,158 | 26,009 | ..... | 347,658 |
| Farmers' Bank, Fayetteville | 788 | 11,300 | ..... | 13,541 | 7,799 | 218,249 |
| Fulton Bank, Brooklyn | 41,919 | 53,935 | 19,500 | ..... | 7,183 | 883,804 |
| Hope Bank, Albany | 13,718 | 3,600 | ..... | 2,879 | 26 | 255,437 |
| Lansingburgh, Bank of | 8,466 | 391,311 | 6,125 | 17,174 | ..... | 984,312 |
| Long Island Bank, Brooklyn | 31,400 | 255,000 | 28,000 | 30,978 | ..... | 1,422,412 |
| Manufacturers' and Traders' Bank | 7,537 | 3,000 | ..... | 37,455 | 4,917 | 1,640,512 |
| Marine Bank, Buffalo | 10,670 | 7,300 | ..... | 16,858 | 3,490 | 1,269,177 |
| Mechanics' Bank, Brooklyn | 27,024 | 10,000 | ..... | 79,796 | 4,429 | 3,175,778 |
| Mechanics' and Farmers' Bank, Albany | 106,451 | 679,000 | 15,350 | 67,946 | ..... | 1,919,584 |
| Mechanics' and Traders' Bank, Brooklyn | 3,048 | 28,843 | 4,800 | 9,900 | 7,312 | 366,795 |
| Merchants' and Mechanics' Bank, Troy | 32,805 | 5,000 | 800 | 17,710 | ..... | 941,098 |
| Merchants' Bank, Watertown | 11,339 | 5,000 | 69,049 | 5,915 | 2,000 | 584,604 |
| Monroe, Bank of | 1,482 | 5,000 | 19,000 | 9,083 | 2,089 | 514,398 |
| New York and Erie Bank, Buffalo | 3,006 | 33,068 | 5,694 | 13,863 | 19,740 | 569,669 |
| Oneida County Bank | 2,954 | 2,000 | 2,610 | 26,796 | 1,169 | 446,313 |
| Phœnix Bank | ..... | 5,000 | ..... | 3,706 | 1,091 | 103,979 |
| Schenectady Bank | 27,877 | 27,219 | 15,500 | 49,955 | ..... | 473,899 |
| Security Bank, Watertown | 2,939 | 12,000 | 22,580 | 1,290 | 988 | 114,686 |
| Silver Creek, Bank of | 3 | 30,200 | ..... | 1,372 | 402 | 214,183 |
| Skaneateles, Bank of | 15,764 | 5,000 | 2,928 | ..... | 2,111 | 211,940 |
| State Bank of Olean | 375 | 5,423 | ..... | 4,148 | 1,332 | 184,343 |
| Steuben County Bank | 1,285 | ..... | ..... | 4,577 | 2,022 | 314,743 |
| Susquehanna Valley Bank | 833 | 5,000 | ..... | 4,306 | ..... | 361,545 |
| Union Bank of Medina | 735 | 7,505 | 4,943 | 11,989 | 3,494 | 171,932 |
| Watertown, Bank of | ..... | 7,400 | ..... | ..... | 29 | 46,989 |
| White's Bank of Buffalo | 15,273 | ..... | 2,143 | 18,139 | ..... | 823,099 |
| | $447,452 | $2,053,808 | $280,361 | $588,614 | $106,683 | $23,123,473 |

TABLE No. 13 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. Loans & discounts, less due from directors & brokers. | Overdrafts. | Due from banks. | Due from directors. |
|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | Amasa J. Foster, New York | $12,197 | ..... | $25,247 | ..... |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | 98,840 | $398 | 14,856 | ..... |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | $111,037 | $398 | $40,103 | ..... |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | $50,522,593 | $64,484 | $5,177,102 | $2,409,232 |

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. Due from brokers. | Real estate. | Specie. | Cash items. |
|---|---|---|---|---|---|---|
| Bank of Cayuga Lake | C. F. Platt, Painted Post | Amasa J. Foster, New York | $198 | ..... | $75 | $34 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | ..... | $6,854 | 316 | 1,489 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | $198 | $6,854 | $391 | $1,523 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals | ..... | ..... | $4,043,220 | $1,906,796 | $2,506,105 | $15,025,563 |

TABLE No. 13 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. | | | | |
|---|---|---|---|---|---|---|---|
| | | | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| Bank of Cayuga Lake | C. F. Platt, Painted Post | Amasa J. Foster, New York | $10,000 | ..... | $3,141 | $197 | $51,091 |
| Henry D. Barto & Co.'s Bank | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | 500 | $38,891 | 14,115 | ..... | 176,261 |
| H. G. Hotchkiss & Co.'s Bank | H. G. Hotchkiss, Lyons | Williams & Bostwick, 40 & 42 Exch. pl., N. Y. | 3,000 | 920 | ..... | ..... | 3,920 |
| | | | $13,500 | $39,811 | $17,256 | $197 | $231,272 |
| Add for cents | ..... | ..... | ..... | ..... | ..... | $196 | $31 |
| Grand totals | ..... | ..... | $4,163,157 | $358,448 | $7,592,588 | $527,768 | $94,297,056 |

NOTE.—Sixty-five banks reported.

## TABLE No. 13—(*Continued*).

SUMMARY, *showing the aggregate of the resources and liabilities of the Banks of the State of New York, as exhibited by their reports to the Superintendent of the Banking Department of the State of New York, of their condition on the morning of Saturday, March* 25, 1871.

| RESOURCES. | |
|---|---|
| Loans and discounts | $50,522,593 |
| Overdrafts | 64,484 |
| Due from banks | 5,177,102 |
| Due from directors | 2,409,232 |
| Due from brokers | 4,043,220 |
| Real estate | 1,906,796 |
| Specie | 2,506,105 |
| Cash items | 15,025,563 |
| Stocks, promissory notes, and U. S. indebtedness certificates | 4,163,157 |
| Bonds and mortgages | 358,448 |
| Bills of solvent banks, and U. S. demand and legal tender notes | 7,592,588 |
| Loss and expense account | 527,572 |
| Add for cents | 196 |
| | $94,297,056 |

| LIABILITIES. | |
|---|---|
| Capital | $21,472,660 |
| Circulation | 174,430 |
| Profits | 7,577,140 |
| Due banks | 4,944,894 |
| Due individuals and corporations other than banks and depositors | 349,408 |
| Due Treasurer of State of New York | 290,158 |
| Due depositors on demand | 58,673,375 |
| Amount due not included in either of the above heads | 814,887 |
| Add for cents | 104 |
| | $94,297,056 |

STATE OF NEW YORK,
BANK DEPARTMENT, ALBANY, *April* 20, 1871.

I certify that the preceding statement is an abstract of the quarterly reports made to this department by the several banks, banking associations and individual bankers (as far as it was practicable to arrange the items of the several reports under general heads), in pursuance of the third and fourth sections of the act entitled "An act to abolish the office of Bank Commissioner, and for other purposes," and the acts amendatory thereof and additional thereto, together with the summary thereof, according to law.

D. C. HOWELL, *Superintendent.*

# TABLE No. 14.

STATEMENT *showing the condition of the Banks of the State of New York on the morning of Saturday, the 17th day of June*, 1871, *together with the names and residences of their agents to redeem their circulation on the morning of the 29th day of July*, 1871. NOTE.—*Banks in the cities of Troy, Albany, Brooklyn and New York are not required to have such agents; all others which have issued circulating notes must have an agent in New York, Albany or Troy.*

| NEW YORK CITY BANKS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corport'ns other than b'ks and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| America, Bank of | | $3,000,000 | $1,415 | $2,094,697 | $2,106,428 | $81,296 | ..... | $7,827,760 | ..... | $15,111,597 |
| Bull's Head Bank | | 200,000 | 6,307 | 118,654 | 2,786 | ..... | ..... | 1,694,260 | $1,335 | 2,023,345 |
| Corn Exchange Bank | | 1,000,000 | 5,675 | 556,254 | ..... | ..... | ..... | 2,497,593 | 5,510 | 4,065,032 |
| Dry Goods Bank | | 1,000,000 | ..... | 35,539 | 27,073 | ..... | ..... | 941,551 | ..... | 2,004,164 |
| Eleventh Ward Bank | | 200,000 | ..... | 18,329 | ..... | ..... | ..... | 543,329 | ..... | 761,658 |
| Germania Bank | | 200,000 | ..... | 37,789 | ..... | ..... | ..... | 1,049,504 | ..... | 1,287,293 |
| German American Bank | | 1,000,000 | ..... | 141,872 | 936,088 | ..... | ..... | 2,681,769 | 927,373 | 5,687,102 |
| Greenwich Bank | | 200,000 | 2,891 | 199,226 | 6,785 | ..... | ..... | 796,859 | 337 | 1,206,100 |
| Grocer's Bank | | 300,000 | 1,915 | 86,734 | 25,712 | ..... | ..... | 727,320 | 114 | 1,141,796 |
| Harlem Bank | | 100,000 | ..... | 13,519 | 11,128 | ..... | ..... | 324,919 | ..... | 449,566 |
| Manhattan Company | | 2,050,000 | 9,829 | 1,077,582 | 323,816 | ..... | $56,709 | 6,403,322 | ..... | 9,921,259 |
| Manufacturers' and Builders' Bank | | 100,000 | ..... | 44,427 | ..... | ..... | ..... | 1,332,469 | ..... | 1,476,897 |
| Manufacturers' and Merchants' Bk | | 500,000 | 677 | 89,787 | 222,998 | ..... | ..... | 1,252,647 | 1,652 | 2,067,763 |
| Metropolis, Bank of the | | 500,000 | ..... | 935 | ..... | ..... | ..... | 273,963 | ..... | 774,898 |
| Mutual Bank | | 106,150 | ..... | 7,318 | 963 | ..... | ..... | 225,978 | 189 | 340,600 |
| Murray Hill Bank | | 200,000 | ..... | 16,611 | 149 | ..... | ..... | 429,538 | ..... | 646,290 |
| Nassau Bank | | 1,000,000 | 3,924 | 97,059 | 241,636 | ..... | ..... | 2,136,895 | 3,332 | 3,482,847 |
| New York Gold Exchange Bank | | 500,000 | ..... | 57,099 | ..... | ..... | ..... | ..... | ..... | 557,099 |
| Ninth Ward Bank | | 103,870 | ..... | 6,755 | ..... | ..... | ..... | 171,911 | ..... | 282,536 |
| North America, Bank of | | 1,000,000 | 4,019 | 292,322 | 758,330 | ..... | ..... | 11,473,749 | 195 | 13,468,617 |
| North River Bank | | 400,000 | 10,853 | 69,453 | 50,057 | ..... | ..... | 1,643,648 | 244 | 2,174,257 |
| Oriental Bank | | 300,000 | 4,522 | 320,758 | ..... | ..... | ..... | 1,316,194 | 895 | 1,972,370 |
| Pacific Bank | | 422,700 | 4,491 | 385,265 | ..... | ..... | ..... | 2,326,385 | 2,302 | 3,141,143 |
| People's Bank | | 412,500 | 5,727 | 250,593 | 90,579 | ..... | ..... | 1,441,393 | 272 | 2,201,065 |
| Security Bank | | 500,000 | ..... | 43,213 | 57,752 | ..... | ..... | 1,067,716 | 40 | 1,668,722 |
| Stuyvesant Bank | | 200,000 | ..... | 16,129 | ..... | ..... | ..... | 626,635 | ..... | 842,764 |
| Wall Street Exchange Bank | | 100,000 | ..... | 4,327 | ..... | ..... | ..... | 27,752 | ..... | 132,080 |
| West Side Bank | | 200,000 | ..... | 33,062 | ..... | ..... | ..... | 1,029,849 | 20 | 1,262,931 |
| Total New York city banks | | $15,795,220 | $62,245 | $6,055,308 | $4,862,280 | $81,296 | $56,709 | $52,294,908 | $943,810 | $80,151,890 |

TABLE No. 14 — (*Continued*).

| OTHER BANKING ASSOCIATIONS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due Banks. | Due individuals & corporations other than bk's and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| Albany County Bank | Has no circulating notes | $200,000 | ..... | $2,152 | $36,061 | ..... | ..... | $137,480 | ..... | $375,695 |
| Attica, Bank of | N. Y. State Nat'l B'k, Albany. | 250,000 | $4,120 | 114,254 | 6,374 | ..... | $33,246 | 458,581 | ..... | 866,576 |
| Brooklyn Bank, Brooklyn | ..... | 300,000 | ..... | 186,792 | 17,923 | ..... | ..... | 1,228,801 | $1,195 | 1,734,712 |
| Central Bank, Westchester Co | Has no circulating notes | 100,000 | ..... | 11,516 | 962 | ..... | ..... | 194,402 | ..... | 306,881 |
| Chenango, Bank of | N. Y. State Nat'l B'k, Albany. | 150,000 | 4,137 | 29,414 | 6,130 | ..... | ..... | 94,379 | ..... | 284,061 |
| City Bank of Oswego | Albany City National Bank | 276,400 | 5,378 | 20,105 | 4,822 | ..... | 91,365 | 260,875 | ..... | 658,946 |
| Commercial Bank, Brooklyn | ..... | 100,000 | ..... | 10,568 | ..... | $51,100 | ..... | 233,533 | 458 | 395,661 |
| Cortland, Bank of | Has no circulating notes | 150,000 | ..... | 11,058 | 14,013 | ..... | ..... | 90,234 | 494 | 265,801 |
| Dansville, Bank of | Metropolitan Nat'l B'k, N. Y. | 25,270 | 10,394 | 32,898 | 201 | ..... | ..... | 197,702 | ..... | 266,466 |
| Exchange Bank of Lansingburgh. | Has no circulating notes | 100,000 | ..... | 24,786 | 5,541 | 90 | ..... | 100,067 | ..... | 230,485 |
| Farmers' Bank, Fayetteville | Has no circulating notes | 100,000 | ..... | 8,372 | 524 | ..... | ..... | 109,462 | ..... | 218,359 |
| Fulton Bank, Brooklyn | ..... | 200,000 | ..... | 18,583 | 473 | ..... | ..... | 920,421 | 647 | 1,140,125 |
| German Bank, Buffalo | Has no circulating notes | 100,000 | ..... | 1,084 | 1,079 | ..... | ..... | 84,968 | ..... | 187,131 |
| Haverstraw, Bank of | Has no circulating notes | 100,000 | ..... | 2,654 | 10,258 | ..... | ..... | 130,416 | ..... | 243,329 |
| Lansingburgh, Bank of | Has no circulating notes | 150,000 | ..... | 113,982 | 2,739 | ..... | ..... | 688,072 | 3,764 | 958,557 |
| Long Island Bank, Brooklyn | ..... | 400,000 | 7,310 | 137,087 | 8,876 | ..... | ..... | 1,085,220 | 1,002 | 1,639,497 |
| Manufacturers' and Traders' Bank | Albany City Nat'l B'k, Albany | 900,000 | 3,369 | 95,939 | 44,672 | ..... | 33,392 | 717,622 | ..... | 1,794,995 |
| Marine Bank, Buffalo | Mech. and Farm. B'k, Albany. | 200,000 | 4,628 | 164,019 | 127,331 | ..... | 33,461 | 925,355 | ..... | 1,454,796 |
| Mechanics' Bank, Brooklyn | ..... | 500,000 | 6,666 | 360,066 | 11,935 | ..... | ..... | 1,964,892 | 207 | 2,843,768 |
| Mech. and Farmers' Bk, Albany | ..... | 350,000 | 5,579 | 513,065 | 80,350 | 100 | ..... | 1,268,733 | ..... | 2,217,828 |
| Mech. and Traders' Bk, Brooklyn. | ..... | 100,000 | ..... | 13,447 | ..... | ..... | ..... | 244,542 | 224 | 358,213 |
| Merch. and Mechanics' Bk, Troy. | ..... | 300,000 | 7,263 | 63,624 | 258,045 | ..... | ..... | 249,486 | 90 | 878,509 |
| Merchants' Bank, Watertown | Has no circulating notes | 150,000 | ..... | 5,566 | 30,889 | 15,100 | ..... | 363,564 | ..... | 565,121 |
| Monroe, Bank of | Has no circulating notes | 100,000 | ..... | 55,687 | 1,717 | ..... | 19,438 | 332,232 | 55,772 | 564,848 |
| New York and Erie Bank, Buffalo | Am. Exchange Nat'l B'k, N. Y. | 300,000 | 3,917 | 6,049 | 20,276 | ..... | 32,976 | 330,439 | ..... | 693,659 |
| Oneida County Bank | Am. Exchange Nat'l B'k, N. Y. | 125,000 | 3,190 | 56,361 | 5,212 | ..... | 2,478 | 216,548 | ..... | 408,791 |
| Phœnix Bank | Has no circulating notes | 50,000 | ..... | 10,967 | ..... | 5,000 | 4,850 | 34,403 | 10,000 | 115,222 |
| Saratoga County Bank | Nat'l Albany Exchange Bank. | 150,000 | 1,350 | 37,804 | 2,857 | 20,000 | 4,348 | 247,418 | 123,066 | 586,845 |
| Schenectady Bank | Nat'l Commercial B'k, Albany | 100,000 | 382 | 30,352 | 15,767 | 1,318 | ..... | 273,940 | 3,554 | 425,315 |
| Security Bank, Watertown | Has no circulating notes | 100,000 | ..... | 2,436 | ..... | ..... | ..... | 16,845 | ..... | 119,281 |
| Silver Creek, Bank of | Albany City Nat'l B'k, Albany | 82,290 | 6,886 | 36,251 | 1,649 | ..... | ..... | 92,341 | 2,250 | 221,668 |
| Skaneateles, Bank of | Has no circulating notes | 100,000 | ..... | 8,522 | 14,398 | ..... | ..... | 113,342 | ..... | 236,263 |
| State Bank of Fort Edward | Has no circulating notes | 100,000 | ..... | 1,974 | 11,416 | ..... | 7,487 | 99,929 | ..... | 220,807 |
| State Bank of Olean | Has no circulating notes | 100,000 | ..... | 7,461 | ..... | ..... | ..... | 73,195 | ..... | 180,656 |
| Steuben County Bank | Metropolitan Nat'l B'k, N. Y. | 150,000 | 276 | 10,903 | 78,472 | ..... | ..... | 65,973 | ..... | 305,626 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Susquehanna Valley Bank ..... | Mercantile Nat'l Bank, N. Y.. | 100,000 | 3,400 | 37,130 | 63,472 | ..... | ..... | 182,896 | 160 | 387,060 |
| Union Bank of Medina..... | Adams, Kimball & Moore, N. Y. | 75,000 | 1,085 | 9,076 | 222 | 270 | 23,237 | 70,476 | ..... | 179,367 |
| Watertown, Bank of ..... | National Currency Bank, N. Y. | 35,000 | 5,600 | ..... | ..... | 1,144 | ..... | 1,586 | 2,774 | 46,055 |
| White's Bank of Buffalo..... | N. Y. State Nat'l B'k, Albany. | 200,000 | 7,460 | 43,986 | 187,477 | 9,248 | 32,292 | 530,051 | ..... | 1,011,516 |
| | | $7,068,960 | $92,390 | $2,295,990 | $1,072,133 | $103,370 | $319,570 | $14,430,371 | $205,657 | $25,588,491 |

TABLE No. 14 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | Liabilities. | | | | |
|---|---|---|---|---|---|---|---|
| | | | Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corporat'ns other than b'ks and depositors. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York.. ..... | $20,000 | $338 | $2,193 | $990 | $73,715 |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons.... | Williams & Bostwick, 40 & 42 Exch. pl., N.Y. | ..... | 3,813 | 107 | ..... | ..... |
| | | | $20,000 | $4,151 | $2,300 | $990 | $73,715 |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals ..... | ..... | ..... | $22,884,180 | $158,786 | $8,353,598 | $5,935,403 | $258,381 |

TABLE 14—(*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | LIABILITIES. | | | |
|---|---|---|---|---|---|---|
| | | | Due Treasurer of the State of New York. | Due depositors on demand. | Amount due not included in either of the above heads. | Total liabilities. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York..... | ..... | $72,846 | ..... | $170,084 |
| H. G. Hotchkiss & Co.'s Bank ... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | 3,920 |
| | | | ..... | $72,846 | ..... | $174,004 |
| Add for cents..... | ..... | ..... | ..... | ..... | $104 | $28 |
| Grand totals..... | ..... | ..... | $376,279 | $66,798,125 | $1,149,571 | $105,914,323 |

TABLE No. 14—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Loans and discounts, less due from directors and brokers. | Overdrafts. | Due from banks. | Due from directors. | Due from brokers. | Real estate. | Specie. |
| America, Bank of | $8,220,001 | $448 | $394,686 | $273,000 | ..... | $150,000 | $1,440,282 |
| Bull's Head Bank | 1,421,177 | 1,328 | 212,660 | 75,000 | ..... | 61,139 | 5,897 |
| Corn Exchange Bank | 897,730 | 108 | 113,045 | 146,000 | $1,055,000 | 107,566 | 58,976 |
| Dry Goods Bank | 1,529,808 | ..... | 90,018 | ..... | ..... | ..... | 638 |
| Eleventh Ward Bank | 506,955 | 88 | 81,750 | ..... | ..... | 40,494 | ..... |
| Germania Bank | 910,002 | 276 | 222,162 | ..... | ..... | ..... | 2,554 |
| German American Bank | 3,508,967 | ..... | 247,507 | 73,000 | ..... | ..... | 310,726 |
| Greenwich Bank | 882,998 | ..... | 159,589 | 27,060 | ..... | 15,963 | ..... |
| Grocer's Bank | 537,422 | ..... | 54,754 | 71,356 | 100,000 | 25,000 | 5,496 |
| Harlem Bank | 257,452 | 88 | 151,384 | ..... | ..... | ..... | ..... |
| Manhattan Company | 5,582,121 | ..... | 528,479 | 362,157 | ..... | 304,750 | 129,314 |
| Manufacturers' and Builders' Bank | 1,165,806 | ..... | 182,887 | ..... | ..... | ..... | ..... |
| Manufacturers' and Merchants' Bank | 1,085,089 | 13,039 | 129,800 | 54,000 | 100,000 | 8,800 | 1,133 |
| Metropolis, Bank of the | 675,970 | ..... | 6,029 | 1,000 | 1,000 | ..... | ..... |
| Mutual Bank | 251,266 | 200 | 5,372 | 19,331 | ..... | 20,000 | 391 |
| Murray Hill Bank | 476,913 | 331 | 62,427 | 39,410 | ..... | ..... | ..... |
| Nassau Bank | 2,165,843 | ..... | 215,371 | 218,000 | ..... | 193,000 | 26,999 |
| New York Gold Exchange Bank | 8,900 | 5,527 | 62,996 | ..... | 313,500 | ..... | ..... |
| Ninth Ward Bank | 195,085 | 144 | 31,514 | ..... | ..... | ..... | ..... |
| North America, Bank of | 1,670,392 | ..... | 170,521 | 129,578 | 1,516,500 | 130,000 | 121,270 |
| North River Bank | 1,091,077 | 2,762 | 290,628 | 60,055 | 150,000 | 95,080 | 28,846 |
| Oriental Bank | 1,221,954 | 31 | 32,380 | 55,400 | 250,000 | 67,688 | 3,427 |
| Pacific Bank | 2,139,571 | ..... | 112,570 | 11,500 | ..... | 100,000 | 7,753 |
| People's Bank | 1,329,124 | 9 | 203,707 | 47,562 | ..... | 40,187 | 5,025 |
| Security Bank | 1,211,370 | 633 | 83,797 | ..... | ..... | 17,477 | ..... |
| Stuyvesant Bank | 561,297 | ..... | 85,250 | ..... | ..... | 50,000 | 3,111 |
| Wall Street Exchange Bank | 96,611 | 300 | 740 | ..... | ..... | ..... | ..... |
| West Side Bank | 724,275 | 200 | 270,936 | 29,361 | 80,000 | 8,468 | 89 |
| Total New York city banks | $40,325,176 | $25,512 | $4,202,959 | $1,692,770 | $3,566,000 | $1,435,612 | $2,151,927 |
| OTHER BANKING ASSOCIATIONS. | | | | | | | |
| Albany County Bank | $101,365 | ..... | $57,673 | $26,316 | ..... | ..... | ..... |
| Attica, Bank of | 838,593 | $1,764 | 5,958 | ..... | ..... | ..... | $768 |
| Brooklyn Bank, Brooklyn | 1,166,172 | 330 | 196,557 | 64,687 | ..... | $7,000 | 1,646 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Central Bank, Westchester County | 217,582 | ..... | 39,886 | 5,542 | ..... | 14,639 | 60 |
| Chenango, Bank of | 218,776 | 1,890 | 15,378 | 20,671 | ..... | 2,164 | 869 |
| City Bank of Oswego | 495,668 | 28,057 | 25,917 | 16,000 | ..... | 13,841 | 4,753 |
| Commercial Bank, Brooklyn | 256,649 | ..... | 17,034 | 55,719 | ..... | ..... | ..... |
| Cortland, Bank of | 197,573 | 6,311 | 16,258 | 366 | ..... | 17,043 | 164 |
| Dansville, Bank of | 171,764 | 1,988 | 2,251 | 5,531 | $40,247 | 7,152 | 13,778 |
| Exchange Bank of Lansingburgh | 121,110 | 914 | 42,278 | ..... | ..... | 22,532 | 526 |
| Farmers' Bank, Fayetteville | 155,043 | 407 | 9,517 | 19,776 | ..... | 5,500 | 72 |
| Fulton Bank, Brooklyn | 489,782 | ..... | 239,198 | ..... | ..... | ..... | ..... |
| German Bank, Buffalo | 100,713 | 2,374 | 62,475 | ..... | 220 | ..... | 2,861 |
| Haverstraw, Bank of | 161,027 | ..... | 57,984 | ..... | ..... | 5,484 | ..... |
| Lansingburgh, Bank of | 229,444 | 1,974 | 34,719 | 19,641 | ..... | 15,288 | 669 |
| Long Island Bank, Brooklyn | 982,500 | ..... | 26,960 | 13,200 | 235,200 | 9,000 | 662 |
| Manufacturers' and Traders' Bank | 1,517,658 | 1,631 | 151,684 | 20,000 | ..... | ..... | 14,901 |
| Marine Bank, Buffalo | 1,286,993 | 6,744 | 97,154 | 6,500 | ..... | 9,000 | ..... |
| Mechanics' Bank, Brooklyn | 1,764,890 | 174 | 267,394 | 265,693 | 250,000 | 75,000 | 1,175 |
| Mechanics' and Farmers' Bank, Albany | 473,721 | *271,162 | 758,599 | ..... | 38,498 | 50,000 | 456 |
| Mechanics' and Traders' Bank, Brooklyn | 245,096 | ..... | 28,877 | ..... | 12,500 | 18,634 | ..... |
| Merchants' and Mechanics' Bank, Troy | 756,544 | 1,362 | 16,078 | 40,190 | ..... | 10,000 | 460 |
| Merchants' Bank, Watertown | 433,930 | 5,522 | 17,075 | ..... | ..... | 21,116 | 202 |
| Monroe, Bank of | 461,531 | 2,237 | 27,985 | 3,000 | ..... | 20,000 | ..... |
| New York and Erie Bank, Buffalo | 408,053 | 2,851 | 100,261 | 17,000 | ..... | 80,096 | 135 |
| Oneida County Bank | 361,919 | 1,234 | 5,333 | 200 | ..... | 6,462 | 69 |
| Phœnix Bank | 76,675 | 6,392 | 7,476 | 12,835 | ..... | ..... | ..... |
| Saratoga County Bank | 268,523 | 8,699 | 89,605 | 23,654 | ..... | 5,000 | 300 |
| Schenectady Bank | 288,109 | 201 | 31,254 | 13,650 | ..... | 1,200 | ..... |
| Security Bank, Watertown | 85,134 | 120 | 1,737 | ..... | ..... | ..... | ..... |
| Silver Creek, Bank of | 156,918 | 20 | 28,759 | ..... | ..... | 327 | 469 |
| Skaneateles, Bank of | 223,810 | ..... | 1 | ..... | ..... | ..... | ..... |
| State Bank of Fort Edward | 102,218 | 2,365 | 5,589 | 3,036 | ..... | ..... | ..... |
| State Bank of Olean | 142,255 | 997 | 11,194 | ..... | 4,085 | 8,579 | ..... |
| Steuben County Bank | 267,113 | 979 | 2,123 | 4,100 | ..... | 14,974 | ..... |
| Susquehanna Valley Bank | 361,079 | 335 | 10,449 | ..... | ..... | 6,450 | ..... |
| Union Bank of Medina | 139,129 | 38 | 15,438 | ..... | ..... | ..... | 1,035 |
| Watertown, Bank of | 3,700 | ..... | 297 | ..... | ..... | 35,000 | ..... |
| White's Bank of Buffalo | 879,840 | 17,268 | 75,321 | 12,000 | ..... | ..... | ..... |
| | $16,608,599 | $376,340 | $2,599,726 | $669,307 | $580,750 | $481,481 | $46,030 |

* $270,106.16 of this amount is due from the Treasurer of the State.

TABLE No. 14—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | |
|---|---|---|---|---|---|---|
| | Cash items. | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| America, Bank of | $2, 376, 122 | $634, 000 | ..... | $1, 581, 366 | $41, 689 | $15, 111, 597 |
| Bull's Head Bank | 129, 157 | 20, 000 | ..... | 93, 438 | 3, 546 | 2, 023, 345 |
| Corn Exchange Bank | 953, 153 | 264, 354 | ..... | 448, 886 | 20, 208 | 4, 065, 032 |
| Dry Goods Bank | 221, 480 | 5, 550 | ..... | 135, 753 | 20, 915 | 2, 004, 164 |
| Eleventh Ward Bank | 54, 918 | 68, 847 | ..... | ..... | 8, 603 | 761, 658 |
| Germania Bank | 30, 753 | ..... | ..... | 110, 970 | 10, 573 | 1, 287, 293 |
| German American Bank | 1, 044, 272 | 10, 304 | ..... | 403, 796 | 88, 528 | 5, 687, 102 |
| Greenwich Bank | 37, 251 | 35, 779 | ..... | 44, 963 | 2, 492 | 1, 206, 100 |
| Grocers' Bank | 80, 124 | 25, 600 | ..... | 231, 953 | 10, 689 | 1, 141, 796 |
| Harlem Bank | 2, 780 | 5, 000 | ..... | 24, 888 | 7, 972 | 449, 566 |
| Manhattan Company | 1, 501, 820 | ..... | $28, 500 | 1, 458, 619 | 25, 496 | 9, 921, 259 |
| Manufacturers' and Builders' Bank | 38, 851 | ..... | ..... | 74, 382 | 14, 968 | 1, 476, 897 |
| Manufacturers' and Merchants' Bank | 246, 765 | 260, 092 | 5, 776 | 137, 906 | 25, 359 | 2, 067, 763 |
| Metropolis, Bank of the | 76, 009 | 5, 000 | ..... | ..... | 9, 888 | 774, 898 |
| Mutual Bank | 26, 526 | 5, 000 | ..... | 11, 046 | 1, 466 | 340, 600 |
| Murray Hill Bank | 2, 343 | 5, 000 | ..... | 46, 120 | 13, 753 | 646, 299 |
| Nassau Bank | 218, 879 | 108, 000 | ..... | 331, 791 | 4 961 | 3, 482, 847 |
| New York Gold Exchange Bank | ..... | 22, 715 | ..... | 1, 778 | 141, 682 | 557, 099 |
| Ninth Ward Bank | 3, 642 | 26, 650 | ..... | 10, 763 | 14, 736 | 282, 536 |
| North America, Bank of | 8, 483, 177 | 260, 800 | ..... | 956, 201 | 30, 177 | 13, 468, 617 |
| North River Bank | 171, 878 | 12, 000 | ..... | 254, 550 | 17, 377 | 2, 174, 257 |
| Oriental Bank | 140, 487 | 36, 500 | ..... | 150, 825 | 13, 674 | 1, 972, 370 |
| Pacific Bank | 507, 442 | 10, 000 | ..... | 246, 709 | 5, 596 | 3, 141, 143 |
| People's Bank | 137, 275 | 120, 400 | ..... | 303, 183 | 14, 591 | 2, 201, 065 |
| Security Bank | 78, 754 | 71, 337 | ..... | 184, 784 | 20, 566 | 1, 668, 722 |
| Stuyvesant Bank | 80, 885 | 5, 000 | ..... | 45, 660 | 11, 560 | 842, 764 |
| Wall Street Exchange Bank | ..... | 5, 000 | ..... | ..... | 29, 428 | 132, 080 |
| West Side Bank | 10, 544 | 31, 053 | ..... | 96, 349 | 11, 653 | 1, 262, 931 |
| Total New York city banks | $16, 655, 287 | $2, 053, 381 | $34, 276 | $7, 386, 679 | $622, 146 | $80, 151, 800 |
| OTHER BANKING ASSOCIATIONS. | | | | | | |
| Albany County Bank | * $158, 556 | $5, 434 | ..... | $21, 395 | $4, 953 | $375, 695 |
| Attica, Bank of | 1, 528 | 4, 167 | $5, 072 | 8, 725 | ..... | 866, 576 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Brooklyn Bank, Brooklyn | 58,765 | 179,553 | ..... | 60,000 | ..... | 1,734,712 |
| Central Bank, Westchester county | 6,192 | 5,000 | ..... | 9,963 | 8,014 | 306,881 |
| Chenango, Bank of | 3,501 | ..... | 2,850 | 15,881 | 2,076 | 284,061 |
| City Bank of Oswego | 7,291 | 8,148 | 50,830 | 6,209 | 2,227 | 658,946 |
| Commercial Bank, Brooklyn | 3,570 | 33,889 | ..... | 16,147 | 12,650 | 395,661 |
| Cortland, Bank of | 2,357 | 6,102 | ..... | 10,307 | 9,316 | 265,801 |
| Dansville, Bank of | 10,392 | ..... | ..... | 6,898 | 6,461 | 266,466 |
| Exchange Bank of Lansingburgh | 2,227 | 1,000 | 1,158 | 38,172 | 565 | 230,485 |
| Farmers' Bank, Fayetteville | 623 | 11,300 | ..... | 6,429 | 9,689 | 218,359 |
| Fulton Bank, Brooklyn | 43,936 | 335,454 | 19,500 | ..... | 12,253 | 1,140,125 |
| German Bank, Buffalo | 5,150 | 5,000 | ..... | 8,259 | 77 | 187,131 |
| Haverstraw, Bank of | 2,509 | 5,372 | ..... | 8,852 | 2,099 | 243,329 |
| Lansingburgh, Bank of | 9,808 | 624,436 | 5,930 | 14,961 | 1,601 | 958,557 |
| Long Island Bank, Brooklyn | 44,161 | 255,000 | 28,000 | 44,812 | ..... | 1,639,497 |
| Manufacturers' and Traders' Bank | 11,336 | 3,000 | ..... | 44,090 | 30,694 | 1,794,995 |
| Marine Bank, Buffalo | 17,565 | 7,300 | ..... | 15,980 | 7,557 | 1,454,796 |
| Mechanics' Bank, Brooklyn | 76,486 | 10,000 | ..... | 119,941 | 13,011 | 2,843,768 |
| Mechanics' and Farmers' Bank, Albany | 48,784 | 523,000 | 1,350 | 52,256 | ..... | 2,217,828 |
| Mechanics' and Traders' Bank, Brooklyn | 6,660 | 20,000 | 4,800 | 14,503 | 7,142 | 358,213 |
| Merchants' and Mechanics' Bank, Troy | 36,760 | 5,000 | 800 | 11,313 | ..... | 878,509 |
| Merchants' Bank, Watertown | 6,317 | 5,000 | 70,958 | 2,999 | 2,000 | 565,121 |
| Monroe, Bank of | 4,176 | 5,000 | 25,341 | 11,163 | 4,413 | 564,848 |
| New York and Erie Bank, Buffalo | 3,378 | 33,068 | 5,694 | 24,180 | 18,940 | 693,669 |
| Oneida County Bank | 7,394 | 2,000 | 2,610 | 18,314 | 3,254 | 408,791 |
| Phœnix Bank | ..... | 7,224 | ..... | 3,483 | 1,133 | 115,222 |
| Saratoga County Bank | 24,069 | 124,000 | ..... | 35,823 | 7,169 | 586,845 |
| Schenectady Bank | 18,331 | 27,219 | 10,200 | 35,150 | ..... | 425,315 |
| Security Bank, Watertown | 1,437 | 8,000 | 18,543 | 1,483 | 2,824 | 119,281 |
| Silver Creek, Bank of | 37 | 30,200 | ..... | 4,611 | 324 | 221,668 |
| Skaneateles, Bank of | ..... | 5,000 | 2,128 | 1,846 | 3,476 | 236,263 |
| State Bank of Fort Edward | † 98,297 | 5,000 | ..... | 3,775 | 524 | 220,807 |
| State Bank of Olean | 315 | 5,423 | ..... | 5,729 | 2,074 | 180,656 |
| Steuben County Bank | 276 | ..... | ..... | 11,871 | 4,187 | 305,626 |
| Susquehanna Valley Bank | 378 | 5,000 | ..... | 3,367 | ..... | 387,060 |
| Union Bank of Medina | 626 | 11,505 | 2,743 | 4,743 | 4,108 | 179,367 |
| Watertown, Bank of | ..... | 7,000 | ..... | ..... | 58 | 46,055 |
| White's Bank of Buffalo | 15,814 | ..... | 2,143 | 9,128 | ..... | 1,011,516 |
| | $739,082 | $2,328,794 | $260,650 | $712,758 | $184,869 | $25,588,491 |

* $150,000 of this amount is due from stockholders, being 75 per cent of the capital not paid in.

† $95,000 of this amount is due from the stockholders on the capital, $45,000 of which was paid June 20, 1871, and the balance is payable September 15, 1871.

TABLE No. 14 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. Loans & discounts, less due from directors & brokers. | Overdrafts. | Due from banks. | Due from directors. |
|---|---|---|---|---|---|---|
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York ..... | $110, 133 | $1, 610 | $2, 701 | ..... |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons.... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | $110, 133 | $1, 610 | $2, 701 | ..... |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals..... | ..... | ..... | $57, 043, 908 | $403, 462 | $6, 805, 386 | $2, 362, 077 |

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. Due from brokers. | Real estate. | Specie. | Cash items. |
|---|---|---|---|---|---|---|
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York ..... | ..... | $6, 854 | $359 | $3, 055 |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | ..... | $6, 854 | $359 | $3, 055 |
| Add for cents. ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals..... | ..... | ..... | $4, 146, 750 | $1, 923, 947 | $2, 198, 316 | $17, 397, 424 |

TABLE No. 14 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. | | | | |
|---|---|---|---|---|---|---|---|
| | | | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Total resources. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York ..... | $500 | $38, 831 | $6, 039 | ..... | $170, 084 |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 & 42 Exch. pl., N. Y. | 3, 000 | 920 | ..... | ..... | 3, 920 |
| | | | $3, 500 | $39, 751 | $6, 039 | ..... | $174, 004 |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | $210 | $28 |
| Grand totals..... | ..... | ..... | $4, 385, 675 | $334, 677 | $8, 105, 476 | $807, 225 | $105,914, 323 |

NOTE.—Sixty-nine banks reported.

## TABLE No. 14—(*Continued*).

SUMMARY, *showing the aggregate of the resources and liabilities of the Banks of the State of New York, as exhibited by their reports to the Superintendent of the Banking Department of the State of New York, of their condition on the morning of Saturday, June* 17, 1871.

| RESOURCES. | | LIABILITIES. | |
|---|---|---|---|
| Loans and discounts | $57,043,908 | Capital | $22,884,180 |
| Overdrafts | 403,462 | Circulation | 158,786 |
| Due from banks | 6,805,386 | Profits | 8,353,598 |
| Due from directors | 2,362,077 | Due banks | 5,935,403 |
| Due from brokers | 4,146,750 | Due individuals and corporations other than banks and depositors | 258,381 |
| Real estate | 1,923,947 | Due Treasurer of the State of New York | 376,279 |
| Specie | 2,198,316 | Due depositors on demand | 66,798,125 |
| Cash items | 17,397,424 | Amount due not included in either of the above heads | 1,149,467 |
| Stocks, promissory notes, and U. S. indebtedness certificates | 4,385,675 | Add for cents | 104 |
| Bonds and mortgages | 334,677 | | |
| Bills of solvent banks, and U. S. demand and legal tender notes | 8,105,476 | | |
| Loss and expense account | 807,015 | | |
| Add for cents | 210 | | |
| | $105,914,323 | | $105,914,323 |

STATE OF NEW YORK,
BANK DEPARTMENT, ALBANY, *July* 29, 1871.

I certify that the preceding statement is an abstract of the quarterly reports made to this department by the several banks, banking associations and individual bankers (as far as it was practicable to arrange the items of the several reports under general heads), in pursuance of the third and fourth sections of the act entitled "An act to abolish the office of Bank Commissioner, and for other purposes," and the acts amendatory thereof and additional thereto, together with the summary thereof, according to law.

D. C. HOWELL, *Superintendent.*

## TABLE No. 15.

**STATEMENT** *showing the condition of the Banks of the State of New York on the morning of Saturday, the 26th day of August,* 1871, *together with the names and residences of their agents to redeem their circulation on the morning of the 2d day of November,* 1871. NOTE.—*Banks in the cities of Troy, Albany, Brooklyn and New York are not required to have such agents; all others which have issued circulating notes must have an agent in New York, Albany or Troy.*

| NEW YORK CITY BANKS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corport'ns other than b'ks and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| America, Bank of | | $3,000,000 | $1,340 | $1,929,901 | $2,006,808 | $79,389 | ..... | $6,706,552 | ..... | $13,723,991 |
| Bull's Head Bank | | 200,000 | 6,277 | 108,972 | 2,857 | ..... | ..... | 1,811,515 | $1,371 | 2,130,993 |
| Corn Exchange Bank | | 1,000,000 | 5,049 | 514,934 | 11,578 | ..... | ..... | 2,498,798 | 15,415 | 4,045,774 |
| Dry Goods Bank | | 1,000,000 | ..... | 28,297 | 74,993 | ..... | ..... | 849,793 | ..... | 1,953,083 |
| Eleventh Ward Bank | | 200,000 | ..... | 8,255 | ..... | ..... | ..... | 584,631 | 1,335 | 794,222 |
| Germania Bank | | 200,000 | ..... | 50,109 | ..... | ..... | ..... | 1,040,960 | ..... | 1,291,069 |
| German American Bank | | 1,000,000 | ..... | 49,900 | 849,767 | ..... | ..... | 3,459,583 | 27,696 | 5,386,947 |
| Greenwich Bank | | 200,000 | 2,876 | 210,282 | 7,424 | ..... | ..... | 827,932 | 287 | 1,248,803 |
| Grocer's Bank | | 300,000 | 1,895 | 83,646 | 8,913 | ..... | ..... | 751,046 | 566 | 1,146,067 |
| Harlem Bank | | 100,000 | ..... | 18,201 | 9,600 | ..... | ..... | 285,308 | ..... | 413,109 |
| Manhattan Company | | 2,050,000 | 9,780 | 960,604 | 422,476 | ..... | $85,957 | 5,303,690 | ..... | 8,832,507 |
| Manufacturers' and Builders' Bank | | 100,000 | ..... | 40,602 | ..... | ..... | ..... | 1,454,865 | ..... | 1,595,468 |
| Manufacturers' and Merchants' Bk | | 500,000 | 677 | 68,483 | 182,158 | ..... | ..... | 1,318,041 | 2,312 | 2,071,673 |
| Metropolis, Bank of the | | 500,000 | ..... | 5,494 | 45,622 | ..... | ..... | 319,605 | ..... | 870,721 |
| Mutual Bank | | 100,150 | ..... | 5,030 | ..... | ..... | ..... | 242,485 | 332 | 353,998 |
| Murray Hill Bank | | 200,000 | ..... | 21,387 | ..... | ..... | ..... | 466,818 | ..... | 688,205 |
| Nassau Bank | | 1,000,000 | 3,924 | 124,091 | 245,225 | ..... | ..... | 1,852,585 | 1,452 | 3,227,278 |
| New York Gold Exchange Bank | | 500,000 | ..... | 83,597 | ..... | ..... | ..... | ..... | ..... | 583,597 |
| Ninth Ward Bank | | 200,000 | ..... | 10,955 | 24,597 | ..... | ..... | 168,170 | ..... | 403,723 |
| North America, Bank of | | 1,000,000 | 4,019 | 114,535 | 1,170,026 | ..... | ..... | 8,346,701 | 1,560 | 10,636,843 |
| North River Bank | | 400,000 | 10,852 | 55,651 | 493 | ..... | ..... | 1,703,206 | 953 | 2,171,157 |
| Oriental Bank | | 300,000 | 4,475 | 308,077 | ..... | ..... | ..... | 1,293,578 | 1,599 | 1,907,731 |
| Pacific Bank | | 422,700 | 4,290 | 380,718 | ..... | ..... | ..... | 1,876,594 | 4,756 | 2,689,059 |
| People's Bank | | 412,500 | 5,717 | 233,178 | 80,008 | ..... | ..... | 1,285,746 | 1,393 | 2,018,544 |
| Security Bank | | 500,000 | ..... | 20,818 | 154,506 | ..... | ..... | 1,009,912 | 1,214 | 1,686,452 |
| Stuyvesant Bank | | 200,000 | ..... | 8,942 | ..... | ..... | ..... | 728,260 | 688 | 937,890 |
| Wall Street Exchange Bank | | 23,000 | ..... | 4,327 | ..... | ..... | ..... | 24,752 | 2,633 | 54,713 |
| West Side Bank | | 200,000 | ..... | 23,488 | ..... | ..... | ..... | 987,805 | 360 | 1,211,654 |
| Total New York city banks | | $15,814,350 | $61,171 | $5,472,474 | $5,297,051 | $79,389 | $85,957 | $47,198,931 | $65,922 | $74,075,271 |

TABLE No. 15 — (*Continued*).

| OTHER BANKING ASSOCIATIONS. | Agents and their residences. | LIABILITIES. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital. | Notes in circulation. | Profits. | Due Banks. | Due individuals & corporations other than bk's and deposit'rs. | Due Treasurer of the State of New York. | Due depositors on demand. | Am'nt due not included in either of the above heads. | Total liabilities. |
| Albany County Bank | ..... | $200,000 | ..... | $9,441 | $54,713 | ..... | ..... | $183,809 | ..... | $447,965 |
| Attica, Bank of | N. Y. State Nat'l B'k, Albany. | 250,000 | $4,120 | 104,492 | 7,482 | ..... | $70,546 | 481,175 | ..... | 917,817 |
| Brooklyn Bank, Brooklyn | ..... | 300,000 | ..... | 179,348 | 25,283 | .... | ..... | 1,189,140 | $3,308 | 1,697,080 |
| Central Bank, Westchester Co. | Has no circulating notes | 100,000 | ..... | 6,586 | 13,037 | ..... | ..... | 169,351 | ..... | 288,976 |
| Chenango, Bank of | N. Y. State Nat'l B'k, Albany. | 150,000 | 3,965 | 22,989 | 3,401 | ..... | ..... | 78,418 | ..... | 258,774 |
| City Bank of Oswego | Albany City National Bank | 276,400 | 5,377 | 9,148 | 3,745 | ..... | 87,625 | 230,157 | ..... | 612,453 |
| Commercial Bank, Brooklyn | ..... | 100,000 | ..... | 1,573 | ..... | $63,425 | ..... | 218,036 | 16,064 | 399,098 |
| Cortland, Bank of | Has no circulating notes | 150,000 | ..... | 4,763 | 16,312 | 10,772 | ..... | 85,053 | 406 | 267,307 |
| Dansville, Bank of | Metropolitan Nat'l B'k, N. Y. | 25,270 | 10,387 | 35,129 | 497 | ..... | ..... | 196,339 | ..... | 267,623 |
| Exchange Bank of Lansingburgh. | Has no circulating notes | 100,000 | ..... | 26,297 | 4,335 | 90 | ..... | 91,168 | 1,779 | 223,669 |
| Farmers' Bank, Fayetteville | Has no circulating notes | 100,000 | ..... | 2,106 | 30 | ..... | ..... | 109,272 | ..... | 211,408 |
| Fulton Bank, Brooklyn | ..... | 200,000 | ..... | 9,213 | 2,499 | ..... | ..... | 758,059 | 315 | 970,088 |
| German Bank, Buffalo | Has no circulating notes | 100,000 | ..... | 7,727 | 2,353 | ..... | ..... | 183,480 | ..... | 293,560 |
| Haverstraw, Bank of | Has no circulating notes | 100,000 | ..... | 5,935 | 38,556 | ..... | ..... | 154,373 | ..... | 298,865 |
| Lansingburgh, Bank of | Has no circulating notes | 150,000 | ..... | 120,566 | 1,155 | ..... | ..... | 721,681 | 3,579 | 996,981 |
| Long Island Bank, Brooklyn | ..... | 400,000 | 7,289 | 131,100 | 13,909 | ..... | ..... | 1,118,005 | 2,165 | 1,672,469 |
| Manufacturers' and Traders' Bank | Albany City Nat'l B'k, Albany | 900,000 | 3,367 | 54,378 | 52,798 | ..... | 70,694 | 766,091 | ..... | 1,847,330 |
| Marine Bank, Buffalo | Mech. and Farm. B'k, Albany. | 200,000 | 4,627 | 126,670 | 65,836 | ..... | 70,899 | 1,147,150 | ..... | 1,615,183 |
| Mechanics' Bank, Brooklyn | ..... | 500,000 | 6,651 | 327,076 | 10,293 | ..... | ..... | 1,817,615 | 647 | 2,662,284 |
| Mech. and Farmers' Bk. Albany | ..... | 350,000 | 5,464 | 536,043 | 106,342 | 100 | ..... | 1,173,362 | ..... | 2,171,313 |
| Mech. and Traders' Bk. Brooklyn. | ..... | 100,000 | ..... | 5,253 | 7,274 | ..... | ..... | 283,527 | 794 | 396,850 |
| Merch. and Mechanics' Bk. Troy. | ..... | 300,000 | 7,263 | 58,991 | 277,145 | ..... | ..... | 309,751 | 1,982 | 955,132 |
| Merchants' Bank, Watertown | Has no circulating notes | 150,000 | ..... | 6,002 | 43,090 | 7,029 | ..... | 386,711 | ..... | 592,833 |
| Monroe, Bank of | Has no circulating notes | 100,000 | ..... | 51,162 | 2,013 | ..... | 27,981 | 306,446 | 26,500 | 514,103 |
| New York and Erie Bank, Buffalo | Am. Exchange Nat'l B'k, N. Y. | 300,000 | ..... | 3,908 | 23,980 | ..... | 70,245 | 336,906 | ..... | 735,040 |
| Oneida County Bank | Am. Exchange Nat'l B'k, N. Y. | 125,000 | 3,190 | 54,293 | 7,034 | ..... | 4,869 | 269,372 | ..... | 463,760 |
| Phœnix Bank | Has no circulating notes | 100,000 | ..... | 12,517 | 421 | 5,000 | 12,369 | 41,498 | ..... | 171,807 |
| Saratoga County Bank | Nat'l Albany Exchange Bank. | 150,000 | 1,350 | 63,490 | 3,582 | ..... | 10,891 | 236,614 | 104,622 | 570,551 |
| Schenectady Bank | Nat'l Commercial B'k, Albany | 100,000 | 362 | 25,173 | 9,526 | 2,048 | ..... | 254,219 | 3,539 | 394,868 |
| Security Bank, Watertown | Has no circulating notes | 100,000 | ..... | 3,658 | ..... | ..... | ..... | 23,096 | ..... | 126,755 |
| Silver Creek, Bank of | Albany City Nat'l B'k, Albany | 100,000 | 6,885 | 38,241 | 665 | ..... | ..... | 90,369 | 2,250 | 238,411 |
| Skaneateles, Bank of | Has no circulating notes | 100,000 | ..... | 12,322 | 1,220 | ..... | ..... | 117,091 | ..... | 230,634 |
| State Bank of Fort Edward | Has no circulating notes | 100,000 | ..... | 4,543 | 8,480 | ..... | 7,555 | 113,815 | ..... | 234,395 |
| State Bank of Olean | Has no circulating notes | 100,000 | ..... | 9,468 | 1,795 | ..... | ..... | 90,822 | ..... | 202,085 |
| Steuben County Bank | Metropolitan Nat'l B'k, N. Y. | 150,000 | 274 | 2,235 | 44,626 | ..... | ..... | 63,049 | ..... | 260,186 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Susquehanna Valley Bank..... | Mercantile Nat'l Bank, N. Y.. | 100,000 | 3,337 | 31,847 | 75,726 | ..... | ..... | 178,119 | 290 | 389,320 |
| Union Bank of Medina... ..... | Adams, Kimball & Moore, N.Y. | 100,000 | 1,084 | 6,008 | 1,904 | 2,717 | 50,873 | 81,421 | ..... | 244,009 |
| Wappinger's Falls, Bank of..... | Has no circulating notes..... | 100,000 | ..... | 1,241 | 4,803 | ..... | ..... | 50,060 | ..... | 156,104 |
| White's Bank of Buffalo..... | N. Y. State Nat'l B'k, Albany. | 200,000 | 7,460 | 40,386 | 285,088 | 32,156 | 70,573 | 527,450 | ..... | 1,163,116 |
| | | $7,226,670 | $82,452 | $2,151,318 | $1,220,948 | $123,337 | $555,120 | $14,632,070 | $168,240 | $26,160,202 |

TABLE No. 15 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | LIABILITIES. | | | | |
|---|---|---|---|---|---|---|---|
| | | | Capital. | Notes in circulation. | Profits. | Due banks. | Due individuals and corporat'ns other than b'ks and depositors. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York.. ..... | $20,000 | $338 | $4,151 | $6,816 | $73,715 |
| H. G. Hotchkiss & Co.'s Bank ... | H. G. Hotchkiss, Lyons... . | Williams & Bostwick, 40 & 42 Exch. pl., N.Y. | ..... ..... | 3,813 | 107 | ..... | ..... |
| | | | $20,000 | $4,151 | $4,258 | $6,816 | $73,715 |
| Add for cents..... | ..... ..... | ..... | ..... | ..... | ..... | .... ..... | . ..... |
| Grand totals . ..... | ..... | ..... | $23,061,020 | $147,774 | $7,628,050 | $6,524,815 | $276,441 |

TABLE No. 15—(*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | LIABILITIES. | | | |
|---|---|---|---|---|---|---|
| | | | Due Treasurer of the State of New York. | Due depositors on demand. | Amount due not included in either of the above heads. | Total liabilities. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York..... | ..... | $77,370 | ..... | $182,392 |
| H. G. Hotchkiss & Co.'s Bank ... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | 3,920 |
| | | | ..... | $77,370 | ..... | $186,312 |
| Add for cents..... | ..... | ..... | ..... | ..... | $110 | $35 |
| Grand totals..... | ..... | ..... | $641,077 | $61,908,371 | $234,272 | $100,421,820 |

TABLE No. 15—(*Continued*).

| NEW YORK CITY BANKS. | RESOURCES. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Loans and discounts, less due from directors and brokers. | Overdrafts. | Due from banks. | Due from directors. | Due from brokers. | Real estate. | Specie. |
| America, Bank of | $8,003,536 | $830 | $133,785 | $200,000 | ..... | $150,000 | $1,509,682 |
| Bull's Head Bank | 1,463,727 | 2,653 | 117,038 | 51,000 | ..... | 61,139 | 5,455 |
| Corn Exchange Bank | 1,278,616 | 1 | 90,437 | 58,000 | $955,000 | 107,566 | 40,637 |
| Dry Goods Bank | 1,162,854 | ..... | 253,939 | 43,000 | 104,500 | 6,054 | 64 |
| Eleventh Ward Bank | 482,616 | 109 | 91,971 | ..... | ..... | 57,486 | ..... |
| Germania Bank | 960,075 | 339 | 213,529 | ..... | ..... | ..... | 3,179 |
| German American Bank | 2,562,789 | ..... | 323,150 | 82,500 | 992,850 | ..... | 271,067 |
| Greenwich Bank | 849,902 | ..... | 202,902 | 9,735 | ..... | 15,963 | ..... |
| Grocer's Bank | 584,593 | ..... | 53,909 | 67,276 | ..... | 25,000 | 8,141 |
| Harlem Bank | 347,945 | 112 | 37,629 | ..... | ..... | ..... | ..... |
| Manhattan Company | 4,832,144 | ..... | 410,060 | 370,565 | ..... | 304,750 | 142,189 |
| Manufacturers' and Builders' Bank | 1,312,089 | ..... | 120,148 | ..... | ..... | ..... | ..... |
| Manufacturers' and Merchants' Bank | 1,145,620 | 2,879 | 82,434 | 46,000 | 100,000 | 8,800 | 5,605 |
| Metropolis, Bank of the | 609,513 | ..... | 28,435 | 50,000 | 90,000 | ..... | ..... |
| Mutual Bank | 252,519 | 125 | 6,929 | 16,677 | ..... | 20,000 | 961 |
| Murray Hill Bank | 494,728 | 52 | 84,327 | 31,988 | ..... | 9,105 | ..... |
| Nassau Bank | 2,106,749 | ..... | 192,976 | ..... | ..... | 194,000 | 24,574 |
| New York Gold Exchange Bank | 11,275 | ..... | 76,508 | ..... | 330,500 | ..... | ..... |
| Ninth Ward Bank | 251,293 | 55 | 3,665 | 10,000 | ..... | 4,983 | 351 |
| North America, Bank of | 1,980,631 | ..... | 138,170 | 134,327 | 1,508,000 | 130,000 | 51,059 |
| North River Bank | 1,244,547 | 3,646 | 243,721 | 69,423 | 100,000 | 95,080 | 21,589 |
| Oriental Bank | 1,391,178 | 33 | 48,032 | 39,900 | 200,000 | 67,459 | 3,301 |
| Pacific Bank | 2,097,685 | ..... | 101,106 | 11,000 | ..... | 100,000 | 7,896 |
| People's Bank | 1,364,375 | 54 | 96,363 | 47,885 | ..... | 40,187 | 14,248 |
| Security Bank | 1,252,944 | 1,345 | 30,311 | ..... | ..... | 15,729 | ..... |
| Stuyvesant Bank | 661,171 | ..... | 48,400 | ..... | ..... | 50,000 | 3,189 |
| Wall Street Exchange Bank | 18,909 | 300 | 740 | ..... | ..... | ..... | ..... |
| West Side Bank | 686,500 | 216 | 269,724 | 24,856 | 80,000 | 7,600 | 65 |
| Total New York city banks | $39,310,523 | $12,749 | $3,499,888 | $1,364,132 | $4,460,850 | $1,470,901 | $2,113,252 |
| OTHER BANKING ASSOCIATIONS. | | | | | | | |
| Albany County Bank | $276,208 | ..... | $55,329 | $23,006 | ..... | ..... | ..... |
| Attica, Bank of | 829,935 | $1,301 | 59,828 | ..... | ..... | $5,000 | ..... |
| Brooklyn Bank, Brooklyn | 1,269,934 | 95 | 124,903 | 38,000 | ..... | 7,000 | $35,50 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Central Bank, Westchester County | 206, 387 | ..... | 37, 779 | 3, 600 | ..... | 14, 639 | 5 |
| Chenango, Bank of | 208, 505 | 2, 100 | 2, 304 | 20, 841 | ..... | 2, 164 | 1, 281 |
| City Bank of Oswego | 455, 911 | 4, 974 | 44, 356 | 16, 000 | ..... | 13, 841 | 6, 832 |
| Commercial Bank, Brooklyn | 248, 453 | ..... | 16, 002 | 62, 300 | ..... | ..... | ..... |
| Cortland, Bank of | 177, 435 | 3, 146 | 35, 682 | 8, 806 | ..... | 8, 667 | 384 |
| Dansville, Bank of | 174, 344 | 3, 245 | 2, 968 | 5, 877 | $36, 695 | 7, 152 | 13, 815 |
| Exchange Bank of Lansingburgh | 117, 690 | 1, 183 | 43, 993 | 14, 000 | ..... | 21, 032 | 516 |
| Farmers' Bank, Fayetteville | 140, 348 | 2, 287 | 13, 984 | 22, 143 | ..... | 5, 500 | 28 |
| Fulton Bank, Brooklyn | 539, 321 | ..... | 45, 954 | ..... | ..... | ..... | ..... |
| German Bank, Buffalo | 247, 053 | 140 | 27, 648 | ..... | ..... | ..... | 2, 459 |
| Haverstraw, Bank of | 233, 647 | ..... | 41, 188 | ..... | ..... | 5, 614 | ..... |
| Lansingburgh, Bank of | 233, 769 | 3, 060 | 676, 285 | 18, 083 | ..... | 15, 659 | 561 |
| Long Island Bank, Brooklyn | 892, 418 | ..... | 76, 057 | 23, 800 | 305, 000 | 9, 000 | 662 |
| Manufacturers' and Traders' Bank | 1, 491, 549 | 8, 108 | 261, 443 | 6, 800 | ..... | ..... | 15, 082 |
| Marine Bank, Buffalo | 1, 047, 001 | 1, 157 | 483, 002 | 16, 000 | ..... | 9, 000 | ..... |
| Mechanics' Bank, Brooklyn | 1, 620, 005 | 116 | 438, 004 | 264, 037 | 50, 000 | 75, 000 | 1, 245 |
| Mechanics' and Farmers' Bank, Albany | 563, 094 | * 225, 925 | 681, 848 | ..... | 27, 886 | 50, 000 | 619 |
| Mechanics' and Traders' Bank, Brooklyn | 253, 870 | ..... | 51, 771 | 18, 050 | ..... | 18, 364 | ..... |
| Merchants' and Mechanics' Bank, Troy | 840, 668 | 2, 614 | 10, 623 | 40, 198 | ..... | 10, 000 | 441 |
| Merchants' Bank, Watertown | 466, 463 | 3, 150 | 17, 360 | ..... | ..... | 21, 116 | 39 |
| Monroe, Bank of | 429, 156 | 3, 618 | 8, 745 | ..... | ..... | 22, 281 | ..... |
| New York and Erie Bank, Buffalo | 462, 917 | 2, 047 | 76, 472 | 17, 000 | ..... | 80, 210 | 430 |
| Oneida County Bank | 392, 958 | 2, 260 | 32, 354 | ..... | 3, 640 | 6, 462 | 69 |
| Phœnix Bank | 82, 932 | 628 | 11, 665 | 15, 169 | ..... | ..... | ..... |
| Saratoga County Bank | 271, 567 | 3, 891 | 84, 922 | 24, 324 | ..... | 5, 000 | ..... |
| Schenectady Bank | 280, 553 | ..... | 28, 571 | 14, 791 | ..... | 1, 200 | ..... |
| Security Bank, Watertown | 94, 978 | 185 | 2, 761 | ..... | ..... | ..... | ..... |
| Silver Creek, Bank of | 132, 690 | 42 | 37, 872 | 9, 000 | 414 | 327 | 469 |
| Skaneateles, Bank of | 207, 320 | ..... | 10, 158 | ..... | ..... | ..... | ..... |
| State Bank of Fort Edward | 134, 166 | 3, 730 | 13, 945 | 5, 090 | ..... | ..... | ..... |
| State Bank of Olean | 142, 628 | 1, 898 | 33, 100 | ..... | 840 | 8, 585 | 142 |
| Steuben County Bank | 224, 941 | 723 | 2, 684 | 3, 928 | ..... | 15, 151 | ..... |
| Susquehanna Valley Bank | 366, 533 | 233 | 7, 743 | ..... | ..... | 6, 450 | ..... |
| Union Bank of Medina | 166, 544 | 731 | 25, 737 | ..... | ..... | ..... | 298 |
| Wappinger's Falls, Bank of | 43, 839 | 172 | 51, 295 | ..... | ..... | ..... | 1 |
| White's Bank of Buffalo | 914, 238 | 5, 770 | 192, 864 | 8, 500 | ..... | ..... | 42 |
| | $16, 881, 968 | $288, 529 | $3, 869, 199 | $699, 343 | $424, 439 | $444, 414 | $48, 973 |

* $223,509.52 of this amount is due from the Treasurer of the State.

TABLE No. 15—(*Continued*).

| NEW YORK CITY BANKS. | Resources. | | | | | | |
|---|---|---|---|---|---|---|---|
| | Cash items. | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Assets not included under either of the above heads. | Total resources. |
| America, Bank of | $1,750,916 | $634,000 | ..... | $1,330,915 | $10,324 | ..... | $13,723,991 |
| Bull's Head Bank | 141,493 | 189,625 | ..... | 89,834 | 2,283 | $6,743 | 2,130,993 |
| Corn Exchange Bank | 779,325 | 264,354 | ..... | 470,743 | 1,091 | ..... | 4,045,774 |
| Dry Goods Bank | 195,771 | 5,550 | ..... | 175,477 | 5,871 | ..... | 1,953,083 |
| Eleventh Ward Bank | 44,221 | 68,847 | ..... | 47,288 | 1,730 | ..... | 794,222 |
| Germania Bank | 15,473 | ..... | ..... | 82,381 | 16,092 | ..... | 1,291,069 |
| German American Bank | 1,026,216 | 5,000 | ..... | 113,298 | 10,074 | ..... | 5,386,947 |
| Greenwich Bank | 80,157 | 10,851 | $24,928 | 46,914 | 7,448 | ..... | 1,248,803 |
| Grocers' Bank | 71,519 | 15,000 | ..... | 302,697 | 17,930 | ..... | 1,146,067 |
| Harlem Bank | 1,445 | 5,000 | ..... | 10,539 | 10,436 | ..... | 413,109 |
| Manhattan Company | 1,038,152 | ..... | 29,537 | 1,703,751 | 1,355 | ..... | 8,832,507 |
| Manufacturers' and Builders' Bank | 100,949 | ..... | ..... | 55,000 | 7,281 | ..... | 1,595,468 |
| Manufacturers' and Merchants' Bank | 156,865 | 332,960 | 5,776 | 175,460 | 9,270 | ..... | 2,071,673 |
| Metropolis, Bank of the | 64,641 | 5,000 | ..... | ..... | 23,131 | ..... | 870,721 |
| Mutual Bank | 36,380 | 5,000 | ..... | 14,055 | 1,350 | ..... | 353,998 |
| Murray Hill Bank | 2,829 | 5,375 | ..... | 56,113 | 3,685 | ..... | 688,205 |
| Nassau Bank | 251,424 | 108,000 | ..... | 334,511 | 15,042 | ..... | 3,227,278 |
| New York Gold Exchange Bank | 1,825 | 22,715 | ..... | ..... | 140,773 | ..... | 583,597 |
| Ninth Ward Bank | 4,621 | 26,650 | ..... | 6,615 | 11,488 | * 84,000 | 403,723 |
| North America, Bank of | 5,951,559 | 260,800 | ..... | 470,280 | 12,015 | ..... | 10,636,843 |
| North River Bank | 157,865 | 12,000 | ..... | 218,960 | 4,323 | ..... | 2,171,157 |
| Oriental Bank | 68,487 | 36,500 | ..... | 149,877 | 2,962 | ..... | 1,907,731 |
| Pacific Bank | 96,603 | 10,000 | ..... | 264,681 | 87 | ..... | 2,689,059 |
| People's Bank | 88,411 | 176,500 | ..... | 187,776 | 2,742 | ..... | 2,018,544 |
| Security Bank | 88,807 | 70,629 | ..... | 217,061 | 9,623 | ..... | 1,686,452 |
| Stuyvesant Bank | 80,848 | 5,000 | ..... | 85,635 | 3,645 | ..... | 937,890 |
| Wall Street Exchange Bank | ..... | 5,000 | ..... | ..... | 29,763 | ..... | 54,713 |
| West Side Bank | 14,493 | 41,459 | ..... | 83,217 | 3,971 | ..... | 1,211,654 |
| Total New York city banks | $12,311,295 | $2,321,815 | $60,241 | $6,693,028 | $365,785 | $90,743 | $74,075,271 |
| OTHER BANKING ASSOCIATIONS. | | | | | | | |
| Albany County Bank | $13,713 | $5,350 | ..... | $12,102 | $12,255 | * $50,000 | $447,965 |
| Attica, Bank of | 2,874 | 4,167 | $4,712 | 9,999 | ..... | ..... | 917,817 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Brooklyn Bank, Brooklyn | 35,072 | 173,167 | ..... | 45,358 | ..... | ..... | 1,697,080 |
| Central Bank, Westchester county | 1,399 | 5,000 | 2,000 | 14,112 | 4,049 | ..... | 288,976 |
| Chenango, Bank of | 3,603 | ..... | 1,576 | 14,300 | 680 | 1,417 | 258,774 |
| City Bank of Oswego | 1,710 | 8,148 | 50,830 | 9,438 | 409 | ..... | 612,453 |
| Commercial Bank, Brooklyn | 4,389 | 59,839 | ..... | 11,939 | 5,125 | ..... | 399,098 |
| Cortland, Bank of | 3,616 | 10,200 | ..... | 16,647 | 2,722 | ..... | 267,307 |
| Dansville, Bank of | ..... | ..... | ..... | 5,815 | 7,325 | 10,385 | 267,623 |
| Exchange Bank of Lansingburgh | 701 | 1,000 | 958 | 10,926 | 6,360 | 5,306 | 223,669 |
| Farmers' Bank, Fayetteville | 345 | 11,300 | ..... | 9,712 | 5,758 | ..... | 211,408 |
| Fulton Bank, Brooklyn | 8,139 | 312,820 | 19,500 | 40,529 | 3,822 | ..... | 970,088 |
| German Bank, Buffalo | 1,880 | 5,000 | ..... | 7,319 | 1,981 | 77 | 293,560 |
| Haverstraw, Bank of | 1,209 | 5,372 | ..... | 7,993 | 3,838 | ..... | 298,865 |
| Lansingburgh, Bank of | 10,301 | 20,000 | 5,680 | 10,495 | 3,084 | ..... | 996,981 |
| Long Island Bank, Brooklyn | 47,177 | 255,000 | 20,000 | 43,353 | ..... | ..... | 1,672,469 |
| Manufacturers' and Traders' Bank | 2,814 | 3,250 | ..... | 54,088 | 4,193 | ..... | 1,847,330 |
| Marine Bank, Buffalo | 28,930 | 7,300 | ..... | 21,353 | 1,438 | ..... | 1,615,183 |
| Mechanics' Bank, Brooklyn | 46,436 | 10,000 | ..... | 156,981 | 456 | ..... | 2,662,284 |
| Mechanics' and Farmers' Bank, Albany | 19,500 | 523,000 | ..... | 49,553 | ..... | 29,886 | 2,171,313 |
| Mechanics' and Traders' Bank, Brooklyn | 8,628 | 20,117 | 4,800 | 18,265 | 2,982 | ..... | 396,850 |
| Merchants' and Mechanics' Bank, Troy | 32,717 | 5,000 | 800 | 12,070 | ..... | ..... | 955,132 |
| Merchants' Bank, Watertown | 5,848 | 5,000 | 70,139 | 2,738 | 976 | ..... | 592,833 |
| Monroe, Bank of | 5,211 | 5,000 | 25,341 | 10,927 | 3,822 | ..... | 514,103 |
| New York and Erie Bank, Buffalo | 5,672 | 33,068 | 5,694 | 30,462 | 21,066 | ..... | 735,040 |
| Oneida County Bank | 5,456 | 2,000 | 2,610 | 15,368 | 579 | ..... | 463,760 |
| Phœnix Bank | ..... | 6,965 | ..... | 3,312 | 1,133 | * 50,000 | 171,807 |
| Saratoga County Bank | 34,301 | 124,000 | ..... | 20,561 | 1,984 | ..... | 570,551 |
| Schenectady Bank | 9,317 | 27,219 | 10,200 | 23,016 | ..... | ..... | 394,868 |
| Security Bank, Watertown | 1,099 | 8,000 | 15,080 | 1,857 | 2,793 | ..... | 126,755 |
| Silver Creek, Bank of | 6,150 | 30,200 | ..... | 3,268 | 266 | * 17,710 | 238,411 |
| Skaneateles, Bank of | 532 | 5,000 | 428 | 2,637 | 4,557 | ..... | 230,634 |
| State Bank of Fort Edward | 11,960 | 5,000 | ..... | 9,562 | 939 | * 50,000 | 234,395 |
| State Bank of Olean | 393 | 5,613 | ..... | 6,533 | 2,385 | ..... | 202,085 |
| Steuben County Bank | ..... | ..... | ..... | 12,012 | 469 | 274 | 260,186 |
| Susquehanna Valley Bank | 1,069 | 5,000 | ..... | 2,292 | ..... | ..... | 389,320 |
| Union Bank of Medina | 1,480 | 11,602 | 2,743 | 9,071 | 5,301 | * 20,500 | 244,609 |
| Wappinger's Falls, Bank of | ..... | 5,000 | ..... | 33,676 | 3,457 | 18,662 | 156,104 |
| White's Bank of Buffalo | 3,232 | ..... | 2,143 | 28,865 | ..... | 7,460 | 1,163,116 |
| | $366,873 | $1,714,747 | $245,234 | $798,504 | $116,204 | $261,677 | $26,160,202 |

* Capital not paid in.

TABLE No. 15 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | Resources. | | | |
|---|---|---|---|---|---|---|
| | | | Loans & discounts, less due from directors & brokers. | Overdrafts. | Due from banks. | Due from directors. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York ..... | $126, 308 | $1, 987 | $3, 548 | ..... |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons.... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | $126, 308 | $1, 987 | $3, 548 | ..... |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals..... | ..... | ..... | $56, 318, 799 | $303, 265 | $7, 372, 635 | $2, 063, 475 |

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | Resources. | | | |
|---|---|---|---|---|---|---|
| | | | Due from brokers. | Real estate. | Specie. | Cash items. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York ..... | ..... | $6, 854 | $359 | $1, 145 |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 and 42 Exchange pl. N.Y. | ..... | ..... | ..... | ..... |
| | | | ..... | $6, 854 | $359 | $1, 145 |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand totals..... .... | ..... | ..... | $4, 885, 289 | $1, 922, 169 | $2, 162, 584 | $12, 679, 313 |

TABLE No. 15 — (*Continued*).

| INDIVIDUAL BANKS. | Bankers and residences. | Agents and residences. | RESOURCES. | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Stocks, promissory notes, and U. S. indebtedness certificates. | Bonds and mortgages. | Bills of solvent banks and U. S. demand and legal tender notes. | Loss and expense account. | Assets not included under either of the above heads. | Total resources. |
| Henry D. Barto & Co.'s Bank.... | H. D. Barto, Trumansburgh. | Atlantic National Bank, New York | $500 | $38, 831 | $2, 858 | ..... | ..... | $182, 392 |
| H. G. Hotchkiss & Co.'s Bank... | H. G. Hotchkiss, Lyons..... | Williams & Bostwick, 40 & 42 Exchange place, New York..... | 3, 000 | 920 | ..... | ..... | ..... | 3, 920 |
| | | | $3, 500 | $39, 751 | $2, 858 | ..... | ..... | $186, 312 |
| Add for cents..... | ..... | ..... | ..... | ..... | ..... | ..... | $204 | $35 |
| Grand totals..... | ..... | ..... | $4, 040, 062 | $345, 226 | $7, 494, 390 | $481, 989 | $352, 624 | $100,421, 820 |

NOTE.—Sixty-nine banks reported.

## TABLE No. 15—(*Continued*).

SUMMARY, *showing the aggregate of the resources and liabilities of the Banks of the State of New York, as exhibited by their reports to the Superintendent of the Banking Department of the State of New York, of their condition on the morning of Saturday, August* 26, 1871.

| RESOURCES. | |
|---|---|
| Loans and discounts | $56, 318, 799 |
| Overdrafts | 303, 265 |
| Due from banks | 7, 372, 635 |
| Due from directors | 2, 063, 475 |
| Due from brokers | 4, 885, 289 |
| Real estate | 1, 922, 169 |
| Specie | 2, 162, 584 |
| Cash items | 12, 679, 313 |
| Stocks, promissory notes, and U. S. indebtedness certificates | 4, 040, 062 |
| Bonds and mortgages | 345, 226 |
| Bills of solvent banks, and U. S. demand and legal tender notes | 7, 494, 390 |
| Loss and expense account | 481, 989 |
| Assets not included under either of the above heads | 352, 420 |
| Add for cents | 204 |
| | $100, 421, 820 |

| LIABILITIES. | |
|---|---|
| Capital | $23, 061, 020 |
| Circulation | 147, 774 |
| Profits | 7, 628, 050 |
| Due banks | 6, 524, 815 |
| Due individuals and corporations other than banks and depositors | 276, 441 |
| Due Treasurer of the State of New York | 641, 077 |
| Due depositors on demand | 61, 908, 371 |
| Amount due not included in either of the above heads | 234, 162 |
| Add for cents | 110 |
| | $100, 421, 820 |

STATE OF NEW YORK,
BANK DEPARTMENT, ALBANY, *November* 2, 1871.

I certify that the preceding statement is an abstract of the quarterly reports made to this department by the several banks, banking associations and individual bankers (as far as it was practicable to arrange the items of the several reports under general heads), in pursuance of the third and fourth sections of the act entitled "An act to abolish the office of Bank Commissioner, and for other purposes," and the acts amendatory thereof and additional thereto, together with the summary thereof according to law.

D. C. HOWELL, *Superintendent.*

# STATE OF NEW YORK.

No. 8.

# IN ASSEMBLY,

January 2, 1872.

## RULES AND ORDERS

### OF THE ASSEMBLY OF THE STATE OF NEW YORK, JANUARY 27, 1870.

OF THE POWERS AND DUTIES OF THE SPEAKER.

*Rule* 1. The speaker shall take the chair each day at the hour to which the House shall have adjourned. He shall call to order, and, except in the absence of a quorum, shall proceed to business in the manner prescribed by these rules.

*Rule* 2. He shall possess the powers and perform the duties herein prescribed, viz.:

1. He shall preserve order and decorum.

2. He shall decide all questions of order, subject to appeal to the House. On every appeal he shall have the right, in his place, to assign his reasons for his decision.

3. He shall appoint all committees, except where the House shall otherwise order.

4. He may substitute any member to perform the duties of the chair for a period not exceeding two consecutive legislative days, but for no longer period, except by special consent of the House.

5. When the House shall be ready to go into committee of the whole, he shall name a chairman to preside therein.

6. He shall certify the passage of all bills by the House, with the date thereof, together with the fact whether passed as a majority,

three-fifths or two-thirds bills, as required either by the Constitution or laws of this State.

7. He shall designate the persons who shall act as reporters for the public press, not exceeding twenty-five in number; but no reporter shall be admitted to the floor who is not an authorized representative of a daily paper. "Such reporters, so appointed, shall be entitled to such seats as the speaker shall designate, and shall have the right to pass to and from such seats in entering and leaving the Assembly chamber."

### OF THE ORDER OF BUSINESS.

*Rule* 3. The first business of each day's session shall be the reading of the journal of the preceding day, and the correction of any errors that may be found to exist therein. After which, except on days and at times set apart for the consideration of general or special orders, the order of business, which shall not be departed from, except by a unanimous consent of the House, shall be as follows, viz.:

1. The presentation of petitions by counties in alphabetical order.
2. Resolutions to refer bills provided for by rule 40, to the "sub-committee of the whole."
3. Reports of standing committees, in the order in which said committees are enumerated in rule 15.
4. Reports of select committees.
5. Third reading of bills.
6. Introduction of bills by counties in alphabetical order.
7. Motions and resolutions to be called by counties, commencing with the county last in alphabetical order.
8. Unfinished business of the general orders.
9. Special orders of the day.
10. General orders of the day.

Messages from the Governor, communications from State officers, messages from the Senate, and reports from the Committee on Engrossed Bills and Public Printing may be received under any order of buisness.

### OF THE RIGHTS AND DUTIES OF MEMBERS.

*Rule* 4. Petitions, memorials, and any other papers addressed to the House, shall be presented by the speaker, or by any member in his place.

*Rule* 5. Every member presenting a paper shall indorse the same; if a petition, memorial or report to the Legislature, with a brief statement of its subject or contents, adding his name; if a notice or resolution, with his name; if a report of a committee, a statement of

such report, with the name of the committee and members making the same; if a bill, a statement of its title, with his name.

*Rule* 6. Every member who shall be within the bar of the House when a question is stated from the chair, shall vote thereon, unless he be excused by the House, or unless he be directly interested in the question. No member shall be obliged to vote on any question unless within the bar when his name is called. The bar of the House shall be deemed to include the body of the Assembly chamber.

*Rule* 7. Any member requesting to be excused from voting, may make, when his name is called, or immediately after the roll shall have been called, and before the result shall be announced, a brief statement of the reasons for making such request, not exceeding five minutes in time, and the House without debate shall decide if it will grant such request; but nothing in this rule contained shall abridge the right of any member to record his vote on any question previous to the announcement of the result.

### Of Order and Decorum.

*Rule* 8. No member rising to debate, to give a notice, make a motion or report, or to present a petition or other paper shall proceed until he shall have addressed the speaker, and have been recognized by him.

*Rule* 9. While a member is speaking, no member shall entertain any private discourse, or pass between him and the chair.

*Rule* 10. While the speaker is putting a question, or a count is being had, no member shall speak or leave his place.

*Rule* 11. When a motion to adjourn is carried, the members and officers shall keep their seats and places until the speaker declares the House adjourned.

### Of Order in Debate.

*Rule* 12. No member shall speak more than once to the same general question, without leave of the House, until every member desiring to speak on the question pending shall have spoken.

*Rule* 13. If any member, speaking, transgress the rules of the House, the speaker shall, or any member may, call to order; in which case the member so called to order shall immediately sit down, and shall not rise, unless to explain or proceed in order.

*Rule* 14. All questions relating to the priority of business, that is, the priority of one question or subject-matter over another, under the same order of business, shall be decided without debate.

## OF COMMITTEES AND THEIR DUTIES.

*Rule* 15. The standing committees shall consist (except as herein specified) of seven members each as follows:

1. Ways and means, to consist of nine members.
2. Judiciary, to consist of nine members.
3. Affairs of cities, to consist of nine members.
4. Canals, to consist of nine members.
5. Commerce and navigation, to consist of nine members.
6. Railroads, to consist of nine members.
7. Insurance, to consist of nine members.
8. Claims, to consist of nine members.
9. Roads and bridges, to consist of nine members.
10. Affairs of villages, to consist of nine members.
11. Internal, affairs to consist of nine members.
12. Charitable and religious societies, to consist of nine members.
13. Public printing to consist of nine members.
14. Banks, to consist of nine members.
15. Trade and manufactures.
16. Militia, to consist of nine members.
17. Agriculture.
18. State prisons.
19. Public education, to consist of nine members.
20. Grievances.
21. Public health, to consist of nine members.
22. Manufacture of salt.
23. State charitable institutions.
24. Petitions of aliens.
25. Civil divisions.
26. Federal relations, to consist of nine members.
27. Two-thirds and three fifths bills.
28. Expenditures in the executive department.
29. Expenditures of the House.
30. Indian affairs.
31. Public lands.
32. Engrossed bills.
33. Privileges and elections.
34. On general orders to be called "the sub-committee of the whole," to consist of sixteen members, two from each judicial district, and to be appointed on or before the 15th of February.

*Rule* 16. It shall be the duty of each of the several committees to inquire into the matter indicated by its name, and to report thereon to the House any information, and any bill or resolution which it may deem conducive to the public good.

*Rule* 17. It shall be the duty of the committee on ways and means to examine into all the departments of the government, whether

executive, legislative, judicial or otherwise, where salaries or emoluments are given; to examine, ascertain and report to the House what officers can be dispensed with, and what salaries or emoluments can be reduced, and how far consistent with the public good; and to take such action in regard to section eight of article seven of the Constitution of this State as may be requisite.

*Rule* 18. It shall be the duty of the committee on two-thirds and three-fifths bills to carefully examine all bills coming within the ninth section of the first article, and the fourteenth section of article seven of the Constitution of this State; and when any bill shall have passed in committee of the whole House, on which the speaker may entertain doubts whether it comes within the provisions of either of the said sections, it shall be referred to the said committee to examine and report thereon, before the question on the final passage shall be taken.

*Rule* 19. The committee on engrossed bills shall carefully examine, in the order in which they shall be directed by the House to be engrossed for a third reading, all bills so engrossed, and see that the same are correctly engrossed, and they shall report the same in like order to the House before they are read the third time.

*Rule* 20. It shall be the duty of the committee on public printing to examine and report on all questions of printing referred to them; to examine from time to time, and ascertain whether the prices charged for printing are in conformity to the contract therefor, and whether it is done in conformity to the orders of the House and without unreasonable delay; to ascertain and report what number of copies ought usually to be printed, and how distributed; and to report to the House, from time to time, any measures they may deem useful for the economical and proper management of the public printing.

*Rule* 21. It shall be the duty of the committee on expenditures of the House, and in the executive department, severally to inquire into the said expenditures, and whether the same have been made in conformity to law, and whether proper vouchers exist for the same, and whether the funds provided for the purpose are economically applied, and to report, from time to time, such provisions, laws and regulations as may conduce to economy, and to secure the faithful disbursement of the moneys appropriated by law.

*Rule* 22. All petitions, memorials and bills, relating to claims upon the State, arising from the construction or operation of the

canals, shall be referred to the standing committee upon claims for examination and report; and said committee shall not consider any such petition, memorial or bill, unless it shall be accompanied by a bill of particulars, setting forth the items upon which the claim is based, and the name or names of the *bona fide* owner thereof, and which shall be verified by the affidavit of the claimant; and no report of said committee shall be received unless accompanied by a written statement embodying the items of such claim, and a copy of the affidavit verifying the same, and the reasons for the conclusions of the committee thereon.

*Rule* 23. No papers now on files of this House, which have been reported upon adversely by a Committee on Claims, shall be taken therefrom, unless the claimant shall present a petition stating in what manner the committee have erred in their report, or that new evidence has been discovered since the report, and setting forth the new evidence in the petition.

### OF THE GENERAL ORDERS AND SPECIAL ORDERS.

*Rule* 24. The matters referred to the committee of the whole House shall constitute the general orders, and their titles shall be recorded in a calendar, kept for that purpose by the clerk, in the order in which they shall be referred severally.

*Rule* 25. The business of the general orders shall be taken up in the following manner, viz.: The clerk shall announce the title of each bill or other matter, as it shall be reached in its order; whereupon it shall be taken up on the call of any member, without the putting of a question therefor; but if not so moved, it shall lose its precedence for the day. And whenever three bills have been thus moved, the House shall go into committee of the whole upon them without further order. But no bill or other matter shall be taken out of its order, except by vote of two-thirds of the members present, nor shall any unprinted bill be taken up unless by order of the House, on one day's notice thereof.

*Rule* 26. Tuesday and Thursday of each week shall be set apart especially for the consideration of the general orders; but they may be considered on any other day when reached in their order.

*Rule* 27. Each member shall be furnished daily with a printed list of the general orders, which shall be kept on his files by the sergeant-at-arms, in the same manner as other printed documents.

*Rule* 28. Any matter may be made a special order for any par-

ticular day, by the assent of two-thirds of the members present. But it shall not be in order to make any matter a special order from day to-day; and no more than three bills or other matters shall be made the special order for the same day. No special order shall be postponed or rescinded, except by a vote of two-thirds of the members present.

### Of the Committee of the Whole.

*Rule* 29. The same rules shall be observed in committee of the whole as in the House, so far as the same are applicable, except that the previous question shall not apply; nor shall the number of times a member may speak be limited, and except that the yeas and nays shall not be taken.

*Rule* 30. A motion to rise and report progress shall be in order at any stage, and shall be decided without debate.

*Rule* 31. Bills and other matters shall be considered in committee of the whole in the following manner, viz.: They shall be first read through, if the committee so direct; otherwise they shall be read and considered by sections, leaving the title to be last considered. All amendments, in their proper connection, shall be reported to the House by the chairman.

*Rule* 32. If at any time when in committee of the whole House, it be ascertained that there is no quorum, the chairman shall immediately report that fact to the speaker.

### Of Bills.

*Rule* 33. No bill shall be introduced in the House, except in one of the following modes, viz.:

1. Under the order of introduction of bills by counties, in alphabetical order.
2. By unanimous consent of the House.
3. By report of a committee.
4. By order of the House.
5. By message from the Senate.

*Rule* 34. No private bill shall be introduced but upon a memorial or petition presented to the House and signed by the party or parties praying for the passage of the same, except by order of the House.

*Rule* 35. The title of all bills introduced shall state concisely the subject-matter of such bills.

*Rule* 36. Every message from the Senate, communicating any bill for the concurrence of the House, shall, with the accompanying

documents, if any, be referred to a standing or select committee to consider and report thereon, and every such message, communicating an amendment, shall take a like reference, except the House shall otherwise order.

*Rule* 37. All bills whether introduced in the House or communicated by message from the Senate, shall, after their second reading, be referred to a standing or select committee, to consider and report thereon. Such committee may report any bill, either with or without amendments, or they may report against the same. All bills favorably reported shall, if the report be agreed to, be committed to the committee of the whole; but where a bill has been reported adversely, and such report shall be agreed to by the House, it shall not go upon the general orders, but shall be considered as rejected.

*Rule* 38. Bills reported by the committee of the whole shall be subject to debate before the question to agree with the committee in their report is put; but such amendments only shall be in order as were offered in committee of the whole. And where a bill shall be reported by the committee of the whole, with the enacting clause stricken out, and the report shall be agreed to by the House, it shall be considered as rejected.

*Rule* 39. Every bill shall receive three separate readings previous to its final passage and the third reading shall be on a day subsequent to that on which the bill passed in committee of the whole, unless the House, by a vote of two-thirds of the members present, shall direct otherwise.

*Rule* 40. Bills printed and upon the general orders may be referred to the sub-committee of the whole by resolution in writing, reciting the number of the bill and its title in full. But there shall not be referred to such committee:

1. Any bill which makes any appropriation from, or which may create any charge upon, the State treasury.
2. Which authorizes or imposes any State tax, or which exempts or releases any property from taxation.
3. Which grants or amends any franchise to any individual or individuals, corporation or corporations.
4. Which releases or conveys the interest of the State in any property except escheats.
5. Which grants a charter to, or alters, amends or repeals the charter of, any savings bank or insurance company.
6. Which alters or amends or repeals any of the general statutes for the formation or government of any corporation or corporations.

7. Which alters, amends or repeals the charter of any railroad, plankroad or turnpike road company, or of any private corporation, or which removes any restriction from any such company, or increases or decreases the fare or compensation for traveling on the road or roads of any such company.
8. Which alters or amends the charters of the cities of New York, Brooklyn, Buffalo or Albany.

No other bill shall be ordered to a third reading until it has been considered in the committee of the whole; nor shall it be in order to refer any bill to a standing committee to report complete without the vote of two-thirds of the members present. The sub-committee of the whole shall possess the same power in relation to the bills referred to them, and (except as hereinafter provided) be governed by the same rules in relation thereto, as the committee of the whole House in relation to the bills upon the general orders; and their report upon such bills, so referred to them, shall be the same in form and effect, except as hereinafter provided, as the report of the committee of the whole House. The said sub-committee of the whole shall take no action upon any bill except at a regular meeting of the committee, a majority of the members thereof being present and necessary to constitute a quorum. The yeas and nays shall be taken in said committee upon every proposition to report any bill to the House, and an affirmative vote of a majority of the committee shall be necessary for that purpose.

A journal shall be kept of the proceedings of the committee by the clerk thereof, including a record of the vote upon every proposition to report any bill, and shall be submitted to the House with every report that shall be made by such committee, and such report shall lie on the table one day and be printed.

The question of agreeing to said report shall not be taken until such report shall have been printed and placed upon the files of the members of the House.

The question of agreeing to such report shall be taken separately upon each bill so reported by such committee.

All amendments made to the bill by said committee shall be read to the House by the clerk previous to taking the vote upon such question of agreement.

Any bill so reported favorably by said committee may again be referred to the committee of the whole for consideration, upon the demand of forty-five members of the House, made at any time before the third reading of such bill is completed.

The clerk of the House shall act as the clerk of such committee.

*Rule* 41. All bills shall be engrossed in the order which they have been directed by the House to be engrossed, and, to avoid delay in engrossing, the clerk shall employ such assistance as he may deem necessary.

*Rule* 42. No bill originating in the Assembly shall be put upon its third reading until it shall have been reported by the committee on engrossed bills as correctly engrossed unless by unanimous consent. Nor shall any bill be read the last time, unless it shall have been once printed, without the consent of two-thirds of the members present.

*Rule* 43. The third reading of bills shall take place in the order in which they have been ordered to a third reading, unless the House, by a vote of two-thirds of the members present, direct otherwise, or the bill to be read be laid on the table. And the question on the final passage of every bill shall be taken immediately after such third reading, and without debate.

*Rule* 44. The same vote that would be required to pass any bill shall be requisite to carry a reconsideration thereof. But the final vote upon the passage of any bill creating, continuing or renewing any incorporation otherwise than municipal, shall not be reconsidered whenever such bill shall be rejected on its last reading.

*Rule* 45. A register shall be kept by the clerk of all bills introduced in the House, or transmitted for concurrence from the Senate, in which shall be recorded, under appropriate heads, the progress of all such bills, from the date of their introduction to the time of their transmission, if Assembly bills, to the Governor, or if Senate bills, their return to the Senate.

## ON MOTIONS AND THEIR PRECEDENCE.

*Rule* 46. When a question shall be under consideration, no motion shall be received except as herein specified, which motions shall have precedence in the order stated, viz.:

1. For an adjournment of the House.
2. A call of the House.
3. For the previous question.
4. To lay on the table.
5. To postpone indefinitely
6. To postpone to a certain day.
7. To go into committee of the whole on the pending subject immediately.

8. To commit to a committee of the whole.
9. To commit to a standing committee.
10. To commit to a select committee.
11. To amend.

*Rule* 47. The motion to adjourn for the day and to lay on the table, shall be decided without amendment or debate. The several motions to postpone or commit shall preclude all debate of the main question.

*Rule* 48. Every motion or resolution shall be first stated by the speaker, or read by the clerk, before debate and immediately before putting the question. And every motion except those specified in subdivisions one to ten inclusive, of the forty-sixth rule, shall be reduced to writing, if the speaker or any member desire it.

*Rule* 49. After a motion shall be stated by the speaker, it shall be deemed in the possession of the House, but may be withdrawn at any time before it shall be decided or amended.

*Rule* 50. The motion to adjourn and to take a recess for the day shall always be in order.

*Rule* 51. No motion for reconsideration of any vote shall be in order, unless on the same day, or the following legislative day to that on which the decision proposed to be reconsidered took place, except bills returned by the Governor for correction ; nor unless a member who voted in the majority thereon shall move such reconsideration.

A motion for reconsideration being put and lost, shall not be renewed ; nor shall any subject or vote be a second time reconsidered without unanimous consent.

## Of Resolutions.

*Rule* 52. The following classes of resolutions shall lie over one day for consideration, after which they may be called up, as of course, under their appropriate order of business.

1. All concurrent resolutions.
2. Resolutions containing calls for information on the executive department.
3. Resolutions giving rise to debate, except such as relate to the disposition of matters immediately before the House, such as relate to the business of the day on which they are offered, and such as relate to adjournment or taking a recess for the day.

*Rule* 53. All resolutions for printing extra copies of documents shall be referred to the committee on printing, who shall report on each resolution within seven days after such reference.

*Rule* 54. All other resolutions calling for or leading to expenditures for the use of the lesgislature, shall be referred to, and reported on, by the committee on the expenditures of the House, unless the House shall designate some other committee.

### OF THE PREVIOUS QUESTION.

*Rule* 55. The "previous question" shall be as follows: "*Shall the main question be now put?*" and until it is decided shall preclude all amendments or debate. When, on taking the previous question, the House shall decide that the main question shall now be put, the main question shall be considered as still remaining under debate. The "main question" shall be on the passage of the bill, resolution or other matter under consideration; but when amendments are pending, the question shall first be taken upon such amendments in their order; and when amendments have been adopted in committee of the whole, and not acted on in the House, the question shall be taken upon such amendments in like order, and, if the previous question has been ordered, without further debate or amendment.

### OF THE ASSEMBLY CHAMBER AND THE PRIVILEGES OF ADMISSION TO THE FLOOR THEREOF.

*Rule* 56. The use of the Assembly chamber may be granted to the State Agricultural Society, the State Medical Society, and such other societies as are required by law to report to the Legislature. No application for the use of the chamber for any other purpose shall be entertained without the unanimous consent of the House.

*Rule* 57. The following classes of persons, and no others, may be admitted to the floor of the House during the session thereof, viz.:

1. The Governor and Lieutenant-Governor.
2. The members of the Senate.
3. The State officers.
4. The Regents of the University.
5. The Capitol Commissioners.
6. Persons in the exercise of an official duty.
7. The reporters for the press. (*See subdivision* 7 *of rule* 2.)
8. Ex-speakers of the Assembly.

### MISCELLANEOUS PROVISIONS.

*Rule* 58. In all cases of the absence of a quorum during the session of the house, the members present may take such measures as they shall deem necessary to secure the presence of a quorum, and may inflict such censure or pecuniary penalty as they may deem just,

on those who, on being called on for that purpose, shall render no sufficient excuse for their absence.

*Rule* 59. When the House shall be equally divided on any question, including the speaker's vote, the question shall be deemed to be lost.

*Rule* 60. If any question contains several distinct propositions, it shall be divided by the chair, at the request of any member, but a motion to strike out and insert shall be indivisible.

*Rule* 61. In all cases where a bill, order, motion, or resolution shall be entered on the journal, the name of the member introducing or moving the same, shall also be entered on the journal.

*Rule* 62. The yeas and nays may be taken on any question whenever so required by any ten members (unless a division by yeas and nays be already pending), and when so taken shall be entered on the journal.

*Rule* 63. The journal of each day's proceedings of the House shall be printed, so that it shall be laid on the tables of members within two days after its approval, and the sergeant-at-arms shall cause the printed journals to be kept on files in the same manner as other printed documents.

*Rule* 64. No reporter for the Assembly, who has an appointment as reporter in the Senate, shall receive any order for stationery from the clerk of the Assembly.

*Rule* 65. No standing rule or order of the House shall be changed, suspended or rescinded unless one day's notice shall have been given of the motion therefor, nor shall such change be made unless by a vote of a majority of all the members elected to the Assembly. But such notice shall not be necessary on the last day of the session. The notice and motion shall in all cases state especially the object of the suspension, and every case of suspension of a rule under such notice and motion shall be held to apply only to the object specified therein. Nor shall the forty-second rule, so far as it applies to two-thirds bills, be altered, rescinded or suspended, unless two-thirds of all the members elected to the House agree to such alteration, rescinding or suspension.

*Rule* 66. The following committees of the House are authorized to employ one clerk each: Ways and means, judiciary, commerce and navigation, canals, railroads, insurance, claims, internal affairs, affairs of cities, trade and manufactures, militia, public education, charitable and religious societies, roads and bridges, affairs of

villages, banks, and public printing; and the following one clerk jointly, viz.: Grievances and joint library, petitions of aliens and manufacture of salt. The clerk of the Assembly shall appoint a clerk and an assistant clerk for the committee on engrossed bills, who shall, before entering upon the discharge of their duties, make and file in the office of the Secretary of State the constitutional oath of office. No clerk shall be appointed for any other committee, except by the unanimous request of such committee in writing and the approval of the speaker.

*Rule* 67. No persons, except members of the Legislature and the officers thereof, shall be permitted within the clerk's desk, or the rooms set apart for the use of the clerk, during the session of the House.

*Rule* 68. Whenever any person shall be brought before the bar of the House, for adjudged breach of its privileges, no debate shall be in order, but the speaker shall proceed to execute the judgment of the House without delay or debate.

*Rule* 69. No more than sixteen pages shall be allowed upon the floor of the Assembly chamber at any one time. Each page shall be furnished with a numbered badge, and shall occupy a seat corresponding with his number, to be provided and designated by the sergeant-at-arms, who shall also select one of his assistants, whose sole duty it shall be to take charge of said pages and see that this rule of the Assembly is not violated.

# STATE OF NEW YORK.

No. 9.

# IN ASSEMBLY,

January 2, 1872.

## JOINT RULES

### OF THE SENATE AND ASSEMBLY OF THE STATE OF NEW YORK, ADOPTED JANUARY 7, 1868.

*Rule* 1. Each House shall transmit to the other all papers in which any bill or resolution shall be founded.

*Rule* 2. When a bill or resolution which shall have passed in one House shall be rejected in the other, notice thereof shall be given to the House in which the same may have passed.

*Rule* 3. Messages from one House to the other shall be communicated by their clerks respectively, unless the House transmitting the message shall specially direct otherwise.

*Rule* 4. It shall be in the power of either House to amend any amendment made by the other to any bill or resolution.

*Rule* 5. In every case of difference between the two Houses, upon any subject of legislation, either House may request a conference, and appoint a committee for that purpose, and the other shall also appoint a committee to confer. The committee shall meet at such hour and place as shall be *appointed* by the *chairman* of the committee on the part of the House requesting such conference. The conferees shall state to each other verbally, or in writing, as either shall choose, the reasons of their respective Houses, and confer freely thereon. The committee shall report in *writing*, and shall be authorized to report such modifications or amendments as they think advisable. But no committee on conference shall consider or report

on any matters except those directly at issue between the two Houses. The papers shall be left with the conferees of the House assenting to such conference, and they shall present the report of the committee to their House. When such House shall have acted thereon, they shall transmit the same, and the papers relating thereto, to the other, with a message certifying its action thereon.

*Rule* 6. It shall be in order for either House to recede from any subject-matter of difference subsisting between the two Houses at any time previous to conference, whether the papers on which such difference arose are before the House receding, formally or informally; and on such vote to recede, the same number shall be required to constitute a quorum to act thereon, and to assent to such receding, as was required on the original question out of which the difference arose.

*Rule* 7. After each House shall have adhered to their disagreement, the bill which is the subject of difference shall be deemed lost, and shall not be again revived during the same session in either House.

*Rule* 8. All joint committees of the two Houses, and all committees of conference, shall consist of three senators and five members of Assembly, unless otherwise specially ordered by concurrent resolution.

*Rule* 9. No bill which shall have passed one House shall have its final reading in the other in less than two days thereafter, without the consent of two-thirds of the members thereof present; and whenever ten or more bills shall be in readiness for final reading in either House, such House shall forthwith proceed to the final reading of such bills, under the order of "third reading of bills, and continue the same from day to day, until all such bills" then in readiness for final reading shall have been read, unless this order of business shall, by the vote of two-thirds of the members present, be suspended or laid on the table. All such bills shall have their last reading in each House in the order in which the same shall have been ordered to a final reading in such House, unless the bill to be read be laid on the table. In all cases where a bill shall be so ordered to lie on the table, it shall retain its place in the order of the final reading of bills, but shall not be called up for consideration unless by a vote of a majority of the members present.

*Rule* 10. The same bill shall not, specially or by name, create, renew or continue more than one incorporation, nor contain any provisions in relation to the altering of more than one incorporation

by name; but this rule shall not be construed to apply to corporations to be formed under general laws according to the eighth article of the Constitution, nor to bills for consolidating corporations. After any bill has been reported by a committee, no amendment shall be made thereto which introduces an entirely new and different subject-matter from the subject-matter of the bill reported.

*Rule* 11. Whenever there shall be an election of officers by the joint action of the two Houses, the result shall be certified by the president of the Senate and speaker of the Assembly, and shall be reported by the presiding officer of each House to their respective Houses, and be entered on the journals of each, and shall be communicated to the Governor by the clerks of the two Houses.

*Rule* 12. There shall be printed, of course, and without order, 389 copies of all original bills reported by committees of either House; and 800 copies of all messages from the Governor (except messages certifying his approval of bills), all reports of standing or select committees, and all reports or communications made in pursuance of law; and 796 copies of the journal of each House, which number shall be denominated the usual number.

*Rule* 13. Neither House shall order the printing or purchasing of books for the use of members or for distribution, except by joint resolution upon which the ayes and noes shall be called, and which must receive the votes of a majority of each House; and no printing shall be done, by order of either House, which is not embraced in the contract for doing the public printing. Whenever either House shall order more than the usual number of any message or document, the fact shall be communicated immediately by message to the other. Whenever extra copies of any document shall be ordered printed, the printer shall be authorized and required to deliver to the trustees of the State Library at least five copies in addition to the number so ordered, for the use of the said library; and whenever more than 500 copies are so ordered, the printer shall in like manner furnish five additional copies for each 500, for the purpose of literary exchanges.

*Rule* 14. When the same document shall by separate orders be directed to be printed by both Houses, it shall be regarded as but one order, unless otherwise expressly directed by either House.

*Rule* 15. In the distribution of documents, the Governor and State officers shall each have the same number as each of the members; and a specified number may be added for any committee, officer, or author of a document.

*Rule* 16. The sergeant-at-arms of each House shall receive from the printer all matter ordered by the respective Houses, and shall keep a book and enter therein the time of reception by him of every such bill or document, and the number of copies received, and shall cause each and any of such bill or document to be immediately placed on the desks of the members.

*Rule* 17. There shall be printed three hundred and eighty-nine bills, and distributed as follows:

| | |
|---|---|
| To the Senate | 100 copies. |
| To the Assembly | 250 copies. |
| To the State officers | 28 copies. |
| To the State Library | 1 copy. |
| Retained to bind | 10 copies. |

There shall be printed three hundred and ten messages and documents, and distributed as follows:

| | |
|---|---|
| To the Senate | 80 copies. |
| To the Assembly | 190 copies. |
| To State officers | 30 copies. |
| To the State Library | 1 copy. |

There shall be printed three hundred journals of each House, and distributed as follows:

| | |
|---|---|
| To the Senate | 80 copies. |
| To the Assembly | 188 copies. |
| To the State officers | 30 copies. |
| To the State Library | 2 copies. |

There shall be printed to bind four hundred and ninety-six journals of each House, and the same number of messages and documents, and distributed as follows:

| | |
|---|---|
| For the Senate | 38 copies. |
| For the Assembly | 134 copies. |
| For Senate Library | 16 copies. |
| For Assembly Library | 50 copies. |
| For the counties and public officers | 123 copies. |
| For literary and scientific exchanges, to be made by the Regents of the University, including one copy for each State and territory, and one copy for each of the regents who are not otherwise provided for | 124 copies. |
| For State Library | 5 copies. |

There shall also be printed and bound for the State Library five copies of the Session Laws, and also of the journal of each House, and fifty-five copies of the same for the Regents of the University, for the purpose of literary exchanges.

The clerk of each House shall forthwith, after the journal thereof of each day is approved, deliver a legible copy thereof to the printer for the two Houses, who shall have the same printed and delivered to the sergeant-at-arms of each House within forty-eight hours thereafter.

*Rule* 18. There shall be a standing committee, consisting of three members of the Senate and five members of the Assembly, to be called the Joint Committee on the State Library and Cabinet of Natural History.

*Rule* 19. The supply bill and the annual appropriation bill shall be reported by the fifteenth day of March, and printed immediately thereafter, and made the special order for the twenty-fifth day of March, or some day prior thereto, immediately after the reading of the journal.

*Rule* 20. No bill introduced after the fifteenth day of March in either House shall have its final reading in either House until all bills previously introduced in either, and sent from one House to the other House for concurrence and ready for third reading, shall be disposed of, unless by unanimous consent, except the supply bill and the annual appropriation bill; and the clerk of each House shall note on each engrossed bill the day on which it was introduced and the day on which it was received from the other House, and shall announce such facts when the same is proposed to be read a third time.

*Rule* 21. When a bill, originated in the Senate or Assembly, shall have been lost in either House, neither the same, nor any other bill on the same subject, and containing similar provisions, shall be subsequently introduced into the Senate or Assembly during the same session, unless by unanimous consent.

# STATE OF NEW YORK.

No. 10.

# IN ASSEMBLY,

January 3, 1872.

## REPORT

OF THE COMMISSIONERS OF QUARANTINE IN RESPONSE TO ALLEGED ABUSES, AND THE ANSWER OF THE HEALTH OFFICER THERETO.

EXECUTIVE CHAMBER,
ALBANY, *January* 3, 1872.

*To the Assembly:*

I transmit to you a report made to me by the Commissioners of Quarantine in response to my request that they examine into alleged abuses, and the answer of the health officer thereto.

JOHN T. HOFFMAN.

# CHARGES AGAINST HEALTH OFFICER.

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OFFICE OF THE COMMISSIONERS OF QUARANTINE,
NEW YORK, *Dec.* 11*th*, 1871.

To his Excellency JOHN T. HOFFMAN, *Governor of New York:*

SIR.—Your communication, with inclosures of August 31st, was duly received and acted upon.

The bill rendered Messrs. Charles H. Marshall & Co., in behalf of the "Quarantine Department," as well as the act of receiving small-pox patients in the quarantine hospitals, on which account it was incurred, was without our knowledge or consultation.

The rate of charges of that particular bill, however, was the same as fixed by our predecessors in office, and continued by us, as but fairly remunerative of the State for expenses incurred, namely, three dollars per day for each hospital patient. But owing to the peculiar circumstances attending this case, the care of small-pox patients, provided for under statute by the Commissioners of Emigration, without any such extraordinary expense, the exaction seemed to be especially burdensome and entitled to mitigation.

The charges in the bill to the Health Officer's Department, except for fumigation and vaccination, although, as we are informed, according to custom, have never received our sanction. On the whole, the bills against the "W. F. Storer" and owners, were reduced two-thirds, and settled to the entire satisfaction of Messrs. Charles H. Marshall & Co.

On the receipt of your Excellency's communication, the health officer was requested by the board to submit a statement of the circumstance attending his reception of small-pox patients in the quarantine hospitals. His statement is herewith transmitted.

## THE CASE OF THE SHIP "WM. F. STORER," NOW "HAMILTON FISH," AND THE QUARANTINE COMMISSION.

### *Answer of the Health Officer.*

HEALTH OFFICER'S DEPARTMENT, QUARANTINE,
TOMPKINSVILLE, S. I., *September* 19*th*, 1871.

*To the President and Board of Commissioners of Quarantine.*

GENTLEMEN.—I have been advised that a complaint made by Messrs. Chas. H. Marshall & Co. to his Excellency the Governor, respecting certain bills rendered by this department against the ship "Wm. F. Storer," has been referred to you for investigation.

In the letter of the Governor to these gentlemen in answer to this complaint, he called their attention to the fact that the law has constituted you an appellate tribunal to hear and decide appeals from the acts and decisions of the health officer, and in view of that fact, His Excellency very properly suggested that if they felt aggrieved by any act of mine, they could seek redress from this tribunal.

From this suggestion, I assume that if Messrs. Marshall & Co. desired you to proceed to a legal investigation of their alleged grievances, they would take an appeal in the mode prescribed by statute. No such appeal has been taken and therefore no jurisdiction has been conferred upon you to make an investigation which can bind either them or myself. Hence I do not see that I am called upon to submit a formal answer to this complaint.

Nevertheless, as the communication of his Excellency to your board in substance requests you to inquire into the grounds of the complaint, I beg leave to submit to you the following facts and suggestions:

1st. As to so much of the complaint as relates to the bill for the care and maintenance of the sick in the West Bank hospital, amounting to $2,193, and which constitutes the greater part of the claim, it is perhaps sufficient for me to say that I have no personal interest in it, as no part of the amount due is coming to me. If paid, it goes to reimburse the State for the expenses incurred by her in fitting up and maintaining the hospital in which the sick were received and provided for. I may properly add, however, in answer to the charge that it is exorbitant, that the rate per diem charged in the bill is that which was fixed by your predecessors in office and has been uniformly collected for nearly eight years past.

2d. The justice and propriety of the other charges complained of, amounting to $747, can best be determined after a knowledge of all the facts. Such of them as are given in the complaint in question are grossly perverted, while others are suppressed, thus presenting a very different case from that which really existed.

The ship "William F. Storer," arrived in this port on the 21st of April last, from Liverpool, with 274 steerage passengers. At this time small-pox, in an epidemic form, was raging in Europe. Her voyage occupied forty-six days, during which time seven deaths occurred on board. Several of the passengers were also sick with small-pox on arrival, some of whom were apparently convalescent.

Two of them, however, were so sick that they were at once sent to the small-pox hospital, on Blackwell's Island, and the rest of the passengers, and the crew were vaccinated, and the vessel was four times fumigated. Notwithstanding this, new cases occurred at intervals, until the number of sick reached thirty-three, all of whom, were, from time to time transferred to the hospital on West Bank; the hospital on Blackwell's Island being then too much crowded to admit of the reception of any more patients. As some of the sick were children, their mothers were allowed to accompany them, so that the number actually admitted to the hospital from the vessel, reached forty-two in all. Out of the number thus removed seven died, being about one-fifth of the whole number, thus showing that the disease was of the most malignant character. The dead were taken in boats to Seguine's Point, a distance of about six miles, and buried. As fast as the sick convalesced, so that they could be removed with safety, they were transferred to the city. From the nature of the case, all could not be removed at the same time, and the steamers used for the purpose necessarily made nine or ten separate trips to effect such removal. Eight separate trips were also made by the steamers in removing the forty-two persons to the hospital.

These are the facts in regard to this ship and her passengers, as can be abundantly shown by the records and employes of my department; and yet Messrs. Marshall & Co. would have you believe that the sickness on board their vessel was of a *mild* type, and that unnecessary and oppressive measures were resorted to by me in this case to protect the health of the city. Under the law, this vessel was liable to a detention of thirty days after arrival, and twenty days after the discharge of her cargo in quarantine. Yet, with all this sickness among her passengers, I allowed her to proceed after a detention of only twenty-one days, and without the discharge of her cargo. Can any one say in view of these facts that I exercised my powers oppressively?

They gravely charge that the new cases arose mainly from the fact that the well passengers were kept on board of the ship, confined between decks, thus implying first, that I was guilty of a neglect of duty in not removing them from the vessel, and secondly, that I caused them to be confined between the decks of the ship in which they arrived. Why the well were not removed, I scarcely need stop to explain to you who are the custodians of the quarantine establishment, and who so well know that no place has yet been provided by the State for the detention of persons under quarantine who have been exposed to disease, but are not actually sick. And as to the confinement of the passengers between the decks of the vessel it is sufficient to say that if such was the fact, the officers of the vessel are alone responsible. I never in any respect directed or authorized their confinement between the decks.

Now, bearing in mind the above facts, and also the fact that small-pox was the loathsome disease which was to be encountered in the fumigation of the ship, the transfer of the sick and the burial of the dead, I invite your attention to the several items in the bill from my office of which those gentlemen complain.

The first is a charge of fifty dollars for fumigation. The price for each fumigation of a ship was fixed by your predecessors in office at twenty-five dollars as early as 1864, and has remained unchanged since that time. This ship was fumigated four times, on different dates, and yet only fifty dollars is charged for the service, being only half the amount sanctioned by proper authority. I think not even Messrs. Marshall & Co. will question the propriety of fumigation in this case.

The next item is the charge for the transfer of patients to the hospital. If the copy of the bill attached to the complaint is a correct one, it was erroneously made out, as the number of patients charged for is only six, whereas thirty-five were transferred.

As I kept no copy of the bill, I am unable to state whether the one referred to is a correct one or not, but, be that as it may, the amount of the item as it appears in the bill is what was intended to be charged, and is much less than the sum would be at the rates usually allowed. I am advised that the rates collected under the administration, and with the sanction of your predecessors, was forty dollars for one or two patients, and five dollars each for every additional one transferred on the same trip.

As eight trips were made in transferring the thirty-five sick, this item would be swelled to at least $415 had the usual rate of charges been adhered to. A considerable reduction was made in view of the large number transferred. The next item is for the expenses of transferring the thirty-five patients from the hospital to the city after they recovered. This transfer, as has been already stated, occupied nine or ten trips of the steamers. Had Messrs. Marshall & Co. chartered a tug to go to West Bank and bring away each patient as he recovered (and they were bound to do this), I think I am fully warranted in saying that they would have been compelled to pay treble the amount charged in this bill. The two remaining items are for expenses of burial of the dead and vaccination, being thirty dollars per each person buried, and twenty-five cents for each person vaccinated. I cannot believe that any reputable merchant will seriously question the propriety of these charges, for it must be manifest to any one, that they are scarcely above a nominal rate and are so low that they cannot cover the actual expense incurred.

Thirty dollars was the rate fixed for burial, as early as 1864, and it has remained unchanged since then. Let any one who deems the charge extravagant purchase the cheapest coffin he can find, go to the West Bank and employ assistance to take the body of a person who has died with small-pox, and transport it from there, six miles across the water, to Seguine's Point, and bury it, and then see if he is not out of pocket, considerbly more than this sum.

Believing that the facts above given, furnish material for a complete and satisfactory answer to this entire complaint, so far as I am concerned, they are submitted for your information.

Very respectfully yours.

J. M. CARNOCHAN,

*Health Officer, Port of New York.*

*To the Commissioners of Quarantine.*

In compliance with your Excellency's further desire that we should also inquire generally into any alleged existing abuses, hear patiently all complaints offered, etc., we have done so, and respectfully submit for your Excellency's consideration, as follows:

1st, *Lighterage.* When the present board of commissioners came into office, this subject seemed to take precedence of all other complaints. With the view of mitigating the burdens attending it, a conference with a number of merchants was invited, and for a time, there seemed to be reasonable hope of amendment; but shortly thereafter, legislative action deprived the commissioners of all power in the premises, except as part of a special board consisting of four other members to fix the compensation and charges for service of all persons selected or licensed by the health officer.

Nevertheless, the charges for lighterage, stevedorage, etc., were considerably reduced, but, unfortunately, the rates of lighterage charged, represent but a small part of the abuses complained of in this connection. *Detention*, in the minds of merchants means light erage, and the equivocal exercise of this pererogative of the health officer is the chief cause of complaint under this head. For, notwithstanding the mandates of the law, that certain vessels shall not be detained longer than the time requisite for due examination (sec. 9, chap. 358, 1863,) that merchandise, exempt from quarantine, shall be declared free, and admitted without unnecessary delay (sec. 13) and that no vessel shall be put in quarantine without a stated decision of the health officer, and the captain or master of the vessel shall be informed thereof immediately after the decision, (sec. 18); that the decision of the health officer, in all such cases shall be rendered within twenty-four hours, (sec. 15), and that he shall report the facts and his conclusions, and especially to report the number of persons sick, and the nature of the diseases with which they are afflicted, to the quarantine commissioners (sec. 27, 1863, as amended chap. 592, 1865). It is, notwithstanding all of these explicit enactments, the common practice for vessels and cargoes to be indefinitely detained, or in suspense with verbal directions only, which are continually liable to alteration without any apparent cause, and no reports whatever to the commissioners. Hence we are kept in ignorance of the circumstance of detention, other than by general complaints on the part of merchants, and the lighterage of cargo forced upon them without orders, it may be as their only means of relief.

2d, *Towage, burials, transportation of persons, packages, etc.* Merchants are well aware of the fact that the steamboats and employes of the quarantine establishment are furnished and paid by the State; and they complain that, besides the health officer's fees, as fixed by statute, and, in their judgment, ample, they are constrained to pay him personally for the use of State property and employes.

It seems to have been the practice for several years, at any rate it was so when the undersigned came into office, for the health officer, under the interpretation of the counsel of the commissioners at that time, to claim and receive compensation personally for the use of the quarantine boats, and the services of State paid employes.

We are advised by our present counsel, that, since the running expenses of the quarantine boats and employes have been devolved upon the State, such charges and collections by the health officer have no justification in law; that the charges for such services should be made and received by the Commissioners of Quarantine at rates corresponding to the expense incurred by the State in their exercise, and applied toward defraying the expenses of the establishment.

In the present status of the employes of the establishment the rights of the State through the commissioners, in this regard, are powerless. The only remuneration *allowed* the State for expenses incurred in quarantine, under the advice of previous counsel, and continued in spite of us recently, because no appeals have been made from this practice, is the charge of hospital sustenance, at present fixed at two dollars per day for each hospital patient. All other charges are made and collected by the health officer, and claimed as his perquisites.

3d. *Commissioners of Quarantine.* The commissioners are complained of for not exercising powers of which they have recently been deprived; and for not prohibiting abuses of which they have cognizance, as above designated, without appeal.

It is hardly necessary to state that the Commissioners of Quarantine are not responsible for abuses which they are powerless to abate, except on special appeals, as provided by law.

We have the honor to remain,

Your Excellency's obedient servants,

(Signed) RICH'D SCHELL, *Pres't.*
A. N. BELL,
SAM'L BARTON.

# ANSWER TO CHARGES.

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HEALTH OFFICER'S DEPARTMENT,
QUARANTINE, S. I., *Dec.* 18*th*, 1871.

To His Excellency JOHN T. HOFFMAN, *Governor of New York:*

SIR.—Being advised in the month of September last, that a com plaint had been made to your Excellency by Messrs. Charles H. Marshall & Co., respecting certain charge for services under quarantine, and that such complaint had been referred by you to the Commissioners of Quarantine for investigation, I addressed them a communication in answer thereto, a copy of which is herewith inclosed. Upon its receipt as I am advised, the commissioners reduced the bill to which it related, to a sum which was satisfactory to the complaints, and the same was paid. I am informed that such reduction was made in gross, on the total amount of both bills, and without any investigation in regard to the particular items of which they were composed. I deemed this an act of injustice, not only to myself, but to the State whose interests were in the keeping of the commissioners, but for the sake of harmony with them, I acquiesced in their action. I did so in the full expectation and belief that that would be the end of the matter. I heard nothing more of their action until the receipt of your note of the 14th instant, inclosing a copy of their communication of the 11th instant to you, and which upon its face, shows that it is not called forth by any new occurrence or complaint.

I cannot withhold an expression of astonishment that a document so extraordinary in its character as this is, should at this particular time, be sent to the executive of the State. Whatever of grievance or of wrong which is therein specified, existed at the time of their action, and should there have been made the basis of a report to you if any was to be made. I am now informed that this document was prepared by the present counsel of the board, Mr. Sewell, under the advice and supervision of Dr. Bell, one of the commissioners. From him I expected no other treatment, as I have never been able to harmonize with his views, either

theoretically or practically. My relations with his associates have always been of a friendly character, and from them I certainly had a right to expect that they would not seek to arraign my official conduct before your Excellency, without at least an opportunity of being heard. I assume however, that owing to the pressure of other engagements, they have taken the word of their associate that the document was a proper one, and that they therefore signed it without due consideration of the real import of what it states. The motive of Dr. Bell in causing it to be prepared, may be inferred from a fact which has recently come to my knowledge, and that is, that he is actively canvassing among the merchants and citizens generally to to supplant me in the position I now occupy.

The entire document is such a mixture of innuendo and perverted facts, that it is directly calculated, and, I doubt not, was directly *intended* for mischief. It is due to myself that it should be answered at length, and that such facts should be given, and that such references to the law should be made as will satisfy your Excellency, not only that I have not been guilty, either of violating law, shirking official duty, or exercising the powers of my office oppressively; but, on the contrary, that the authors of this communication have knowingly distorted facts and misstated the provisions of law with a view to disparage me in the estimation of your Excellency.

The character and animus of this extraordinary document will be better understood if I take up and answer its statements in detail in the order in which they occur. I must crave your Excellency's indulgence if I shall thereby extend the length of this reply beyond what may seem to be reasonable limits.

1. The document in question states at the outset that "the bill rendered Messrs. Charles H. Marshall & Co., in behalf of the Quarantine Department, *as well as the act of receiving small-pox patients in the quarantine hospital* on which account it was incurred, *was without our knowledge or consultation.*"

How far this is true the following facts will show:

At the time of the arrival of the "William F. Storer," the small-pox hospital on Blackwell's Island was overcrowded with patients, so as to fearfully increase the fatality of the disease. The principal authorities were much embarrassed in view of the want of proper facilities for taking care of those sick with this disease within the limits of the city. On my reporting to the board of health the arrival of this vessel, with a number of small-pox cases on board, they

urged that as the city hospitals were full, and suitable facilities existed for the care of the sick at the West Bank Hospital, they should be sent there for treatment. At this time the use of the hospital was not required for any other class of patients; and as the law expressly provided that when not required for the inception of yellow fever or cholera patients, it might be appropriated to the reception of persons sick with other contagious diseases (chapter 751, Laws of 1866, § 5), I could see no objection to its being used for the reception of these patients. On the contrary, I deemed that not only the safety of the public but the welfare of the sick demanded that they should be sent there. The propriety of using the hospital for this purpose was accordingly discussed between myself and the commissioners, and I advised that it should be opened for the reception of the sick from this vessel. They expressed no dissent, and I therefore assumed that an act so manifestly imperative would meet their hearty concurrence. That it did meet their approval is evident from the fact that they met without hesitation all requisitions necessary for the care and maintenance of these patients, during the time they were there detained.

As to the bill for the expense of their maintenance, it is sufficient for me to say that it was made out without any suggestion from me by the hospital superintendent, according to the usual practice of the department at rates which had been established by the former board of commissioners and expressly mentioned by the present one. It was sent for collection through the usual channel of collection of quarantine bills, and none of it was claimed or expected by me.

2. It is next alleged that "the charges in the bill to the Health Officer's Department, except for fumigation and vaccination, although, as we are informed, *according to custom*, have never received our sanction."

For an explanation of the nature and propriety of the charges in this bill, I refer your Excellency to the inclosed communication hereinbefore referred to.

It is conceded that these charges were "according to custom." I am informed that they were not only according to custom, but that they were according to rates expressly fixed by the former commissioners and sanctioned and re-established pursuant to the provisions of chapter 492 of the Laws of 1870. From a copy of a certificate made under that act *and signed by all of the present commissioners*, and now before me, it appears that *they* expressly sanctioned these

charges in the following words: "The compensation and charges for all other services rendered under quarantine shall be the same as heretofore fixed and allowed by the commissioners of quarantine." This certificate is dated July 8th, 1870. It fixes the rates of certain specified services, and then uses the above general language.

In view of these facts, comment, as to the truthfulness of the allegation above quoted, seems to me unnecessary.

3. The document next states that on the receipt of your Excellency's communication, the commissioners requested the health officer to submit a statement of the circumstances attending the reception of small-pox patients in the quarantine hospitals, and that his statement was therewith transmitted.

I have no recollection of making any other statement to them than that contained in my reply to Messrs. Marshall & Co., and to which I have never received any answer. If the statement enclosed to your Excellency is any other than a copy of that reply, I shall be pleased to be furnished with it.

4. The document next proceeds to state that in compliance with your Excellency's desire, the commissioners have inquired generally into alleged existing abuses, more particularly in complaints offered, etc., and it then submits for your consideration certain general statements.

What complaints were offered does not appear, nor am I aware when, or in what manner their investigations were made. In fact the "general statements" submitted, do not appear to be based upon any specific complaints, but bear evidence on their face, that they are conclusions drawn from an assumed state of facts.

It is difficult to answer all of these general statements without going into a lengthy discussion both as to the law and the general administration of quarantine; but I will submit for the consideration of your Excellency a few general observations, with brief references to facts and statutes, which I think cannot fail to satisfy you that the document in question not only misstates the law but suppresses and perverts facts to accomplish the purposes to which I have referred.

*First, Lighterage.* The impression is sought to be conveyed that the rates of lighterage established under the act of 1870, under which the certificate hereinbefore mentioned was given, did not meet the approval of the present Commissioners of Quarantine. Their names were all signed to this certificate, and so far as my knowledge extends, not one of them has ever expressed his dissent from the rates then established.

The one whom I assume to be the author of the document in question, *in fact, proposed the very schedule of rates which was finally adopted by the board of officers by whom that certificate was made.* This fact affords a sufficient answer to any suggestion, at this time, that the rates of lighterage did not meet his concurrence.

In connection with the subject of lighterage, the document alludes to the detention of vessels, and uses this remarkable language: "Detention, in the mind of merchants, means lighterage, and the *equivocal* exercise of this prerogative of the health officer, is the chief cause of complaint under this head."

Such a use of language by one official towards another, in a communication to the executive of the State, can only be excused on the ground of ignorance. What precise idea was intended to be conveyed by the term *equivocal* I know not, but the fair inference is that it was designed to charge me with an improper and corrupt exercise of the power vested in me by law. To justify the use of this term, it is charged that it is the common practice for vessels and cargoes to be indefinitely detained, or in suspense, in violation of law, and without any apparent cause, and without any report to the commissioners, and several provisions of statute are referred to, in justification of the charge. These I will notice in their order:

1. As to the detention of certain vessels longer than the time requisite for due examination. It is manifest from the language of the statute that the health officer is to have a reasonable time for determining the condition of every vessel examined by him. It gives him power not only to detain for examination, but for *observation.* I can safely challenge any one to cite a *single instance* where this power has been exercised by me, contrary either to the letter or spirit of the statute. As no instance is cited in support of the charge made, I cannot be expected to do more than give the charge this broad denial.

2. As to the charge that merchandise, exempt from quarantine, is detained, contrary to law, several answers may be given: In the first place it is frequently practically impossible to carry out the provisions of law in regard to the classification of merchandise for the purposes of quarantine. For example: It frequently occurs that vessels arrive from infected ports, having on board merchandise coming within the class which is exempt from quarantine. The vessel is by *law* subject to detention (sec. 9 of the act of 1863), and to necessary sanitary regulations. These cannot be carried out with safety if the imme-

diate discharge of the cargo is permitted. Hence the law cannot with safety be strictly complied with in relation to the cargo, the vessel being the source of infection and consequent cause of detention. Again, it frequently happens that the consignee of the cargo does not desire to have it removed from the vessel until she arrives at the wharves of the city, and hence the cargo is detained in quarantine with the vessel although the former may be exempt from quarantine.

3. I am not aware that a vessel has ever been put in quarantine by me without a "stated decision." I am informed that it is claimed by Dr. Bell that a stated decision means a decision in writing, to be delivered to the master of the vessel at the time of examination. If the statute required that construction, my own experience teaches me that it would be practically impossible in all instances to carry it out. The uniform practice has been for the health officer to make an entry in his own records, as he may from time to time receive reports from his deputies, and furnish a transcript to the master of the vessel when required. That practice I have followed, and the master in each instance has been immediately informed of my decision in regard to his vessel.

4. I do not recollect a single instance in which a vessel has been detained under the provisions of section 15, of the act of 1863, and I am not aware that I ever violated that provision of law.

The requirements of law in reference to reports to Commissioners of Quarantine, under the sections referred to in the document in question, have been practically complied with by me by my personal attendance before them, or by a written report, whenever any information was, in my judgment, necessary for their guidance or for the use of the public. To have complied with the statute in detail more than I have done, would have greatly interfered with more important duties, and would have required a burdensome and useless clerical force.

This disposes of all of the specific charges made against me. As a further and final answer to them, I may say that although the commissioners constitute, by law, an appellate tribunal, a fact well known to the mercantile community, only two appeals have been made to them during my term of office, and in both of them my action was sustained.

*Second, Towage, etc.* During my term, neither of the State boats have been used for purposes of towage, and not a dollar has been received by me from that source. They have been used, when *necessary*, in the burial of the dead and the transfer of the sick, a service

which is only occasionally required and is of short duration. The charges for burials of the dead embrace the expense of the purchase of the coffin and the digging of the grave, all of which are paid for by the health officer. The rates charged by him for all of these services are those fixed by the commissioners, and have uniformly been collected and received by him. But very few persons have been transported in the quarantine steamers during my term. The amount collected from this source is a trifling sum, but whatever it may be, it clearly belongs to the health officer under the provisions of the 30th section of the act of 1863.

In connection with what is said by the commissioners upon the subject of towage, burials, etc., they state that they are advised by their present counsel that as the running expenses of the quarantine boats and the pay of the employes have been devolved upon the State, the charges and collections heretofore made by the health officer should be made and received by the Commissioners of Quarantine. I have searched in vain for any provision justifying any such conclusion, and I am advised that no authority whatever exists to reimburse the State through them for any expense incurred in the administration of quarantine, except it be incurred in the care of the sick in the quarantine hospital.

In conclusion, it is due to myself to say, that I have, at all times sought to give all necessary information to the commissioners and to harmonize with their views and action. If I have in any respect failed in this, it has not been for the want of effort on my part. My duties have been of an arduous and responsible character, and the public had a right to expect from me such an exercise of the powers vested in me by law, as would protect them from the importation of disease. As an evidence that I have succeeded in doing this, I need only refer to the fact, that during my term of office, both yellow fever and cholera have been brought to our shores and have been successfully confined to the limits of quarantine. To be now assailed and have my official action and motives arraigned as they have been in this document, is a matter of which I think I have a right to complain, and I most cordially thank your Excellency for the opportunity you have afforded me to unmask the motive for the attack, and to answer the statements upon which it is based.

Very respectfully, your obedient servant,

(Signed.) J. M. CARNOCHAN,
*Health Officer.*

# ANNUAL REPORT

OF THE

# State Engineer and Surveyor

ON THE

# CANALS OF THE STATE.

PRESENTED TO THE LEGISLATURE JANUARY 3, 1872.

ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

# STATE OF NEW YORK.

No. 11.

# IN ASSEMBLY,

January 3, 1872.

## ANNUAL REPORT

## OF THE STATE ENGINEER AND SURVEYOR ON THE CANALS OF THE STATE.

OFFICE OF THE STATE ENGINEER AND SURVEYOR,
ALBANY, *January* 3, 1872.

HON. HENRY SMITH,
*Speaker of the Assembly:*

SIR.—I have the honor herewith to transmit to the Legislature the annual report of my predecessor, on the canals of the State, for the year ending September 30th, 1871.

Yours, respectfully,
WM. B. TAYLOR,
*State Engineer and Surveyor.*

---

OFFICE OF THE STATE ENGINEER AND SURVEYOR,
ALBANY, *January* 1, 1872.

HON. WILLIAM B. TAYLOR,
*State Engineer and Surveyor:*

SIR.—I herewith inclose the annual report of the State Engineer and Surveyor, on the canals of the State, for the year ending September 30, 1871.

Yours, respectfully,
VAN R. RICHMOND.

# REPORT.

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OFFICE OF THE STATE ENGINEER AND SURVEYOR,
ALBANY, *January* 1, 1872.

*To the Honorable the Legislature of the State of New York:*

The State Engineer and Surveyor, in obedience to the requirements of act, chap. 777, Laws of 1850, has the honor to submit herewith his annual report for the fiscal year ending September 30, 1871.

## ENGINEER DEPARTMENT.

Act, chap. 477, Laws of 1865, authorizes the appointment, by the Canal Board, of three Division and three Resident Engineers; and act, chap. 794, Laws of 1866, authorizes the appointment of an additional Resident Engineer in charge of the Chenango canal extention. The existing laws, therefore, only recognizes seven official engineers.

The subordinate engineers are employed by the Division Engineers, with the assent of the State Engineer and Surveyor and the Canal Commissioner in charge of the division on which they are so employed.

The offices of the Division and Resident Engineers are located as follows:

At Albany, for the Eastern Division.
At Syracuse, for the Middle Division.
At Rochester, for the Western Division.
At Owego, for the Chenango canal extension.

The expenditures, on account of the Engineer Department for the year ending September 30, 1871, are as follows:

| | |
|---|---|
| Eastern Division | $49,952 32 |
| Middle Division | 35,567 30 |
| Chenango canal extension | 13,118 03 |
| Western Division | 31,867 66 |
| Total | $130,505 31 |

The following shows the amount of work done under the supervision of the Engineer Department during the fiscal year:

| | |
|---|---|
| Eastern Division | $686,750 81 |
| Middle Division | 627,523 19 |
| Chenango canal extension | 105,638 92 |
| Western Division | 427,168 13 |
| Total | $1,847,081 05 |

The cost of engineering has been about seven per cent of the cost of the work done.

## CANALS.

The State canals, for convenience in construction and the superintendence of repairs, are divided into three divisions, Eastern, Middle, and Western; each under the charge and supervision of a Canal Commissioner, a Division and Resident Engineer.

### EASTERN DIVISION.

| Names of canals. | Miles. |
|---|---|
| Erie canal from Albany to east bank of Oneida Lake canal, | 133.58 |
| Albany basin (called one mile for tolls by chapter 200, Laws of 1849) | .77 |
| Port Schuyler and West Troy side cut | .35 |
| Pond above Troy dam | 3.00 |
| Champlain canal and Waterford side cut | 66.00 |
| Glen's Falls feeder and pond above | 12.00 |
| Black River canal | 35.33 |
| Black River feeder and pond above dam | 12.09 |
| Delta feeder | 1.38 |
| Black River improvement | 42.50 |
| Total miles | 307.00 |

This division has been in charge of E. H. Crocker, Division Engineer, and Peter Hogan, Resident Engineer.

## Middle Division.

| Names of canals. | | Miles. |
|---|---|---|
| Erie canal from east side of Oneida Lake canal to east line of Wayne county | | 68.58 |
| Navigable feeders to Erie canal: | | |
| Limestone | .80 | |
| Butternut | 1.55 | |
| Camillus | 1.00 | |
| | | 3.35 |
| Oneida Lake canal | | 7.00 |
| Oswego canal | | 38.00 |
| Cayuga and Seneca canal | | 22.77 |
| Crooked Lake canal | | 8.00 |
| Chemung canal and feeder | | 39.00 |
| Chenango canal | | 97.00 |
| Oneida river improvement | | 20.00 |
| Seneca river towing-path | | 5.75 |
| Baldwinsville canal and improvement to Jack's Reef | | 12.50 |
| Cayuga inlet | | 2.00 |
| Total miles | | 323.95 |

This division has been in charge of M. S. Kimball, Division Engineer, and Howard Soule, Jr., Resident Engineer. The Chenango canal extension has been in charge of Charles L. McAlpine, Resident Engineer.

## Western Division.

| Names of canals. | Miles. |
|---|---|
| Erie canal from east line of Wayne county to Buffalo | 148.50 |
| Genesee Valley canal from Rochester to Millgrove | 113.50 |
| Dansville branch of Genesee Valley canal | 11.00 |
| Genesee feeder at Rochester | 2.25 |
| Genesee feeder at Oramel | .75 |
| Total miles | 276.00 |

This division has been in charge of Daniel Richmond, Division Engineer, and J. Nelson Tubbs, Resident Engineer.

From the above statements, it will be seen that there are 906.95 miles of navigable canals and feeders, and there are also 5.68 miles of unnavigable feeders, making a total of 912.63 miles of canals and feeders under the supervision of this department, exclusive of the Chenango canal extension, in process of construction.

The total length of navigable canals and feeders, with rivers and lakes connected artificially therewith, in the State of New York:

| | Miles. |
|---|---|
| Total length of artificial canals and feeders | 906.95 |
| Length of Hudson river, New York to Waterford | 155.00 |
| Lake Champlain, Whitehall to Rouse's Point | 111.00 |
| Oneida lake | 22.00 |
| Cayuga lake | 39.00 |
| Seneca lake | 35.00 |
| Crooked lake | 19.00 |
| Delaware and Hudson canal (in this State) | 87.00 |
| Junction canal | 18.00 |
| Total | 1,392.95 |

*Dimensions and Capacity of the New York State Canals.*

| NAME OF CANAL. | When authorized. | When completed. | Length in miles. | Size of Canal. | | | Number and Size of Locks. | | | Average burden boats. | Maximum burden of boats. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Width on surface. | Width on bottom. | Depth of water. | Number of locks. | Length between quoins. | Width in clear. | | |
| Erie canal (original) | 1817 | 1825 | 363 | 40 | 28 | 4 | 83 | 90 | 15 | 70 | 76 |
| Erie canal, enlargement same | 1835 | 1862 | 350½ | 70 | 56 | 7 | 72 | 110 | 18 | 210 | 240 |
| Oswego canal (original) | 1825 | 1828 | 38 | 40 | 24 | 4 | 18 | 90 | 15 | 70 | 76 |
| Oswego canal, enlargement same | 1847 | 1862 | 38 | 70 | 56 | 7 | 18 | 110 | 18 | 210 | 240 |
| Cayuga and Seneca canal (original) | 1825 | 1828 | 21 | 40 | 24 | 4 | 10 | 90 | 15 | 70 | 76 |
| Cayuga and Seneca canal, enlargement same | 1836 | 1862 | 23 | 70 | 56 | 7 | 11 | 110 | 18 | 210 | 240 |
| Champlain canal | 1817 | 1822 | 66 | 50 | 35 | 5 | 20 | 100 | 18 | 80 | 85 |
| Champlain canal (Glen's Falls feeder) | 1822 | 1837 | 12 | 50 | 35 | 5 | 12 | 100 | 18 | 80 | 85 |
| Champlain canal (pond above Troy dam) | 1822 | 1837 | 3 | .... | .... | ..... | 1 | ..... | .... | ..... | ..... |
| Black River canal and feeder | 1836 | 1849 | 50 | 42 | 26 | 4 | 109 | 90 | 15 | 70 | 76 |
| Black River canal improvement | 1849 | 1861 | 42 | .... | .... | ..... | 1 | 110 | 18 | 70 | 76 |
| Genesee Valley canal | 1826 | 1861 | 124¾ | 42 | 26 | 4 | 112 | 90 | 15 | 70 | 76 |
| Chenango canal | 1833 | 1836 | 97 | 40 | 24 | 4 | 116 | 90 | 15 | 71 | 76 |
| Chemung canal and feeder | 1829 | 1831 | 39 | 42 | 26 | 4½ | 53 | 90 | 15 | 85 | 90 |
| Oneida River improvement | 1839 | 1850 | 20 | 80 | 60 | 4½ | 2 | 120 | 30 | 70 | 76 |
| Oneida Lake canal | 1832 | 1836 | 7 | 40 | 24 | 4 | 7 | 90 | 15 | 70 | 76 |
| Baldwinsville canal and Seneca towing-path | 1838 | 1839 | 5¾ | 40 | 24 | 4 | 1 | 90 | 15 | 70 | 76 |
| Crooked Lake canal | 1829 | 1833 | 8 | 42 | 26 | 4 | 27 | 90 | 15 | 70 | 76 |

## *Feeders.*

The following embraces all the available feeders for supplying the Erie canal with water during the dry season, with approximate cost of each:

| NAME OF FEEDER. | When brought into use. | Source of supply. | Miles entering the canal from Albany. | Supply cubic feet per minute. | Total cost of feeder. |
|---|---|---|---|---|---|
| Mohawk river at Cohoes | .... | Champlain canal | ..... | 6,570 | ..... |
| Rexford Flats feeder | 1844 | Mohawk river | 26 | 10,979 | $25,000 00 |
| Schoharie Creek feeder | 1845 | Creek | 51 | 6,800 | 30,000 00 |
| Rocky Rift feeder | 1856 | Mohawk river | 78 | 10,602 | 190,000 00 |
| Little Falls feeder | 1843 | Mohawk river | 87 | 12,643 | 12,500 00 |
| Ilion Creek feeder | 1838 | Creek | 98 | 800 | 1,000 00 |
| Chenango canal | 1836 | Through lock | 110 | 911 | ..... |
| Butts' creek | 1838 | Creek | 124 | 1,400 | 530 00 |
| Mohawk feeder at Rome | 1858 | Mohawk river | 125 | 11,766 | 25,976 36 |
| Black River canal at Rome | .... | Through lock | 125 | 1,294 | ..... |
| Oneida Creek feeder | 1835 | Creek | 140 | 1,500 | 34,498 00 |
| Cowasselon Creek feeder | 1858 | Creek | 143 | 320 | 10,089 65 |
| Erieville reservoir | 1850 | Reservoir | ..... | 2,130 | 36,837 03 |
| Chittenango Creek feeder | 1840 | Creek and outlet | 152 | 250 | 7,555 33 |
| Cazenovia Lake reservoir | 1867 | Reservoir | ..... | 2,631 | 10,884 73 |
| De Ruyter reservoir, through | 1863 | Reservoir | 158 | 3,972 | 158,378 20 |
| Limestone creek | 1852 | Creek and outlet | | 210 | 14,871 30 |
| Orville (Butternut creek) feeder | 1858 | Creek | 161 | 450 | 45,000 00 |
| Camillus feeder | 1843 | Creek | 175 | 1,500 | 11,327 68 |
| Skaneateles Lake reservoir | 1844 | Reservoir | 185 | 7,520 | 14,927 55 |
| Genesee River feeder | 1826 | Genesee river | 259 | 350 | 42,750 54 |
| Genesee Valley canal | 1842 | Through lock | 259 | 861 | ..... |
| Oak Orchard Creek feeder | 1840 | Creek | 303 | 1,400 | 29,722 42 |
| Lake Erie, Buffalo | 1856 | Lake | 350½ | 35,000 | ..... |
| | | | | 121,867 | ..... |
| Total cost enlargement feeders | | | | ..... | $701,848 79 |
| Total cost original Erie canal feeders | | | | ..... | 101,147 00 |

## *Locks.*

| NAME OF CANAL. | Length in miles of canals. | Number of locks. | Feet of lockage. | Feet lockage per mile. |
|---|---|---|---|---|
| Erie canal (57 double, 15 single) | 351.78 | 72 | 654.80 | 1.86 |
| Navigable feeders of same | 3.35 | ..... | ..... | ..... |
| Champlain canal | 66.00 | 33 | 179.50 | 2.72 |
| Pond above Troy dam | 3.00 | ..... | ..... | ..... |
| Glen's Falls feeder and pond | 12.00 | ..... | 132.00 | 11.00 |
| Black River canal | 35.33 | 109 | 1,082.25 | 30.63 |
| Black River feeders | 13.47 | | ..... | ..... |
| Black River improvement | 42.50 | 1 | ..... | ..... |
| Oneida Lake canal | 6.00 | 7 | 62.00 | 10.33 |
| Oswego canal | 38.00 | 18 | 154.85 | 4.07 |
| Oneida River improvement | 20.00 | 2 | 7.85 | 0.39 |
| Seneca River towing-path | 5.00 | ..... | ..... | ..... |
| Baldwinsville canal | 1.00 | 1 | 8.00 | 8.00 |
| Cayuga and Seneca canal | 22.77 | 11 | 76.61 | 3.36 |
| Crooked Lake canal | 8.00 | 27 | 277.83 | 34.73 |
| Chemung canal and feeder | 39.00 | 53 | 504.88 | 12.95 |
| Cayuga inlet | 2.00 | 1 | ..... | ..... |
| Chenango canal | 97.00 | 116 | 1,015.33 | 10.46 |
| Genesee Valley canal and feeder | 116.50 | 114 | 1,045.39 | 8.96 |
| Dansville branch | 11.00 | | 82.50 | 7.50 |
| | 893.70 | 565 | 5,283.79 | 5.09 |

*NUMBER, extent and approximate cost of structures upon the Erie canal at completion of enlargement in* 1862.

| Quantities. | KIND OF STRUCTURES. | Price. | Amount. |
|---|---|---|---|
| 437,869.. | Square feet flooring in 158 iron bridges | 81 | $354,673 89 |
| 516,259.. | Square feet flooring in 382 wooden bridges | 38 | 196,178 42 |
| 540 sets.. | Bridge abutments | $2,750 00 | 1,485,000 00 |
| 540 sets.. | Bridge embankments, etc. | 1,800 00 | 972,000 00 |
| 57 sets . | Double locks, aggregate length 9,833 feet | 73,850 00 | 4,209,450 00 |
| 13 single.. | Locks, aggregate length 2,415 feet | 31,560 00 | 441,840 00 |
| 2 single.. | Guard locks, aggregate length 345 feet | 23,000 00 | 46,000 00 |
| 5 single.. | Weigh-locks, aggregate length 737 feet | 47,036 00 | 235,180 00 |
| 24,235.. | Lineal feet of trunk in 32 aqueducts | 310 00 | 7,512,850 00 |
| 2,363.. | Lineal feet of waste walls, waste-weirs | 42 00 | 99,246 00 |
| 11.. | Stop gates | 2,000 00 | 22,000 00 |
| 190. | Stone arch culverts, aggregate spans 1,523 | 4,000 00 | 760,000 00 |
| 94.. | Composite culverts, aggregate spans 435 | 1,700 00 | 150,800 00 |
| | Total approximate cost of structures | ..... | $16,494,218 31 |

*STATEMENT showing the total cost of construction of the New York State canals, together with the cost of repairs, maintenance and collection; also the total amount of tolls received from each. (Each canal is credited with the amount of tolls upon the tonnage contributed to the Erie, and charged with its proportion of repairs and maintenance upon the same, up to and including* 1866.)

| NAME OF CANAL. | Expenditures. | | | Receipts. |
|---|---|---|---|---|
| | For construction, enlargements and improvem'ts. | For repairs, maintenance and collection. | Total for construction, management, etc. | From tolls. |
| Erie and Champlain | $46,018,234 | $12,900,333 | $58,918,567 | $81,057,168 |
| Oswego | 3,490,949 | 4,639,219 | 8,130,168 | 9,283,230 |
| Cayuga and Seneca | 1,520,542 | 1,200,044 | 2,720,586 | 2,184,300 |
| Chemung | 1,273,261 | 1,794,649 | 3,067,910 | 2,012,575 |
| Crooked Lake | 333,287 | 459,374 | 792,661 | 520,416 |
| Chenango | 2,782,124 | 1,022,026 | 3,804,150 | 737,285 |
| Black River | 3,224,779 | 498,866 | 3,723,645 | 242,603 |
| Genesee Valley | 5,827,813 | 1,689,303 | 7,517,116 | 1,306,913 |
| Oneida Lake | 64,837 | 123,234 | 188,071 | 65,180 |
| Baldwinsville | 23,556 | 25,035 | 48,591 | 1,261 |
| Oneida River improvement | 146,944 | 25,005 | 171,999 | 204,288 |
| Seneca River towing-path | 1,488 | 20 | 1,508 | 5,251 |
| Cayuga inlet | 2,968 | ..... | 2,968 | 4,596 |
| Totals | $64,710,832 | $24,377,108 | $89,087,940 | $97,625,066 |

| | |
|---|---|
| Total cost of construction, as above | $64,710,832 |
| Total interest on same | 93,736,654 |
| Total cost maintenance, repairs and collection | 24,377,114 |
| Total interest on same | 27,268,895 |
| Total from commencement to completion | $210,093,495 |
| Aggregate receipts from tolls, with interest thereon | 202,619,510 |
| Present cost to the State of the entire canal system, | $7,473,985 |

The number and tonnage capacity of the boats built and registered in each year since 1857 has been as follows:

| YEAR. | Boats. | Tons. | Average of boats. |
|---|---|---|---|
| 1857 | 329 | 37,510 | 114 |
| 1858 | 255 | 27,830 | 109 |
| 1859 | 206 | 20,150 | 98 |
| 1860 | 403 | 48,355 | 120 |
| 1861 | 619 | 95,230 | 154 |
| 1862 | 850 | 142,470 | 168 |
| 1863 | 771 | 119,170 | 177 |
| 1864 | 399 | 56,235 | 141 |
| 1865 | 200 | 28,795 | 144 |
| 1866 | 485 | 74,630 | 154 |
| 1867 | 520 | 80,360 | 155 |
| 1868 | 387 | 64,470 | 167 |
| 1869 | 298 | 46,640 | 157 |
| 1870 | 262 | 42,400 | 157 |
| Total | 5,991 | 884,245 | ..... |

*COMPARATIVE statement of the total tonnage movement over the New York State canals, New York Central Railroad and Erie Railway, together with the receipts per ton per mile on each from* 1860 *to* 1870 *inclusive.*

| YEAR. | New York State Canals. | | New York Central Railroad. | | Erie Railway. | |
|---|---|---|---|---|---|---|
| | Tons moved one mile. | Receipts per ton per mile. | Tons moved one mile. | Receipts per ton per mile. | Tons moved one mile. | Receipts per ton per mile. |
| | | cts. | | cts. | | cts. |
| 1860 | 809,524,596 | 0.994 | 199,231,392 | 2.06 | 214,084,395 | 1.84 |
| 1861 | 863,623,507 | 1.080 | 237,392,974 | 1.96 | 251,350,127 | 1.73 |
| 1862 | 1,123,548,430 | 0.959 | 296,963,492 | 2.22 | 351,092,285 | 1.89 |
| 1863 | 1,034,130,023 | 0.876 | 312,195,796 | 2.40 | 403,670,861 | 2.09 |
| 1864 | 871,335,150 | 1.150 | 314,081,410 | 2.75 | 422,013,644 | 2.31 |
| 1865 | 843,915,779 | 1.100 | 264,993,626 | 3.31 | 388,557,213 | 2.76 |
| 1866 | 1,012,448,034 | 1.000 | 331,075,547 | 2.92 | 478,485,772 | 2.45 |
| 1867 | 958,362,953 | 0.900 | 362,180,606 | 2,53 | 549,888,422 | 2.04 |
| 1868 | 1,033,751,268 | 0.880 | 366,199,786 | 2.59 | 595,699,225 | 1.92 |
| 1869 | 919,153,611 | 0.920 | 474,419,726 | 2.20 | 817,829,190 | 1.60 |
| 1870 | 904,351,572 | 0.83 | *769,087,777 | 1.86 | 898,862,718 | 1.37 |
| Total | 10,374,144,995 | ..... | 3,927,822,132 | ..... | 5,518,660,891 | ..... |

For the ten years previous to 1870, the canals carried about twenty-four per cent more freight than the New York Central and Erie railroads together.

The following shows the length and the cost of construction and equipment of these three great trunk lines, from the reports of 1870, viz.:

* Includes Hudson River railroad, 150 miles.

| | Cost. | Miles. |
|---|---|---|
| New York State canals | $80,710,832 | 900 |
| N. Y. Central and Hudson River railroads, | 59,765,684 | 740 |
| Erie railway | 73,945,587 | 823 |
| Totals | $214,422,103 | 2,463 |

The average yearly business upon the canals for nine years following 1860 is nineteen per cent greater than the business for that year, while upon the railroads of the State the increase has been for the same period eighty-nine per cent greater than the business of 1860.

The total number of tons moved one mile on all the canals and railroads in the State, in the ten years from 1860 to 1869 inclusive, was 19,662,593,782; of this amount the canals, with an average season of less than seven and one-half months in each year, transported $48\frac{2}{10}$ per cent, or very nearly one-half; and all the railroads, in operation the whole time, transported $51\frac{8}{10}$ per cent. In several of these years the canals transported more freight in the seven and one-half months than all the railroads in the State did in the whole twelve months.

In 1860 there were 3,146 miles of railroads in operation in this State, and in 1870 there were 4,773 miles; an increase of 1,627 miles.

Annual Statement, *showing the total amount of construction work performed during the fiscal year ending September 30th, 1871; also the amount of work remaining to be done on same upon the New York State canals, under the supervision of the Engineer Department upon ordinary and extraordinary repairs.*

| NAME OF CANAL. | Amount done during fiscal year. | Amount remaining to be done. |
|---|---|---|
| Work under Contract: | | |
| Erie | $587,671 03 | $580,253 50 |
| Champlain | 266,012 23 | 116,554 50 |
| Black River | 18,851 45 | 2,502 00 |
| Oswego | 153,891 13 | 130,094 00 |
| Chenango | 120,074 42 | 7,948 50 |
| Chemung | 31,638 25 | 14,474 20 |
| Cayuga and Seneca | 26,821 68 | 14,889 10 |
| Crooked Lake | 5,478 91 | 1,691 00 |
| Genesee Valley | 68,198 27 | 29,780 00 |
| Total | $1,278,637 37 | $898,186 80 |
| Special Improvements and Extension: | | |
| Champlain improvement, Laws 1864 | $53,368 31 | ..... |
| Enlargement Oneida Lake canal | 21,280 00 | $63,960 00 |
| Chenango canal extension | 105,638 92 | 503,302 94 |
| Doubling locks on Western Division | 122,620 00 | 311,340 00 |
| Total work under contract | $1,581,544 60 | $1,776,789 74 |
| Work done by Canal Commissioners: | | |
| Erie canal | $78,041 41 | $1,014 00 |
| Champlain | 26,887 74 | ..... |
| Black River | 24,868 41 | ..... |
| Oswego | 3,917 00 | ..... |
| Chenango | 1,580 41 | ..... |
| Chemung | 67,776 76 | ..... |
| Crooked Lake | 62,464 72 | ..... |
| Sum total | $1,847,081 05 | $1,777,803 74 |

## Work authorized, not under Contract.

The following is the estimated cost, at engineer's prices, of authorized work not under contract:

| | |
|---|---|
| Chenango canal extension | $368,773 00 |
| Construction Fish creek feeder | 693,250 00 |
| Total | $1,062,023 00 |

For details of the work done during the past season upon construction, and for recommendations for the coming season, for which appropriations are needed, reference should be had to the reports of the Division Engineers.

## Enlargement of the Champlain Canal.

By act, chap. 788, Laws of 1870, the State Engineer and Surveyor was authorized to cause a survey and estimate to be made for the enlargement of the Champlain canal.

The act provides the enlargement to be made in such a manner as to give, throughout its entire length, a uniform depth of seven feet of water, fifty-eight feet width at surface of same, and forty-four feet width at the bottom.

The following is the estimated cost of enlargement upon this basis:

| | | |
|---|---|---|
| 1st Division, West Troy to Fort Miller, | $29\frac{76}{100}$ miles, | $1,520,345 27 |
| 2d Division, Fort Miller to Whitehall, | $33\frac{88}{100}$ miles, | 1,330,229 45 |
| Total..... | $63\frac{64}{100}$ | $2,850,574 72 |

For the estimates in detail and descriptions, I refer you to the accompanying report of the Division Engineer.

## Improvements Recommended.

In regard to an additional supply of water upon and east of the "long level," I still retain the opinion expressed in my two last annual reports upon the construction of "Fish creek feeder." Objections against this important improvement have been made by the citizens of Oswego. In reply to these I quote from my last report the following passage on this question:

"It has been shown in former official reports that the State, by the construction of the Erieville, De Ruyter, Cazenovia lake and Skaneatelas lake reservoirs, together with the waters drawn from Lake Erie and the Chemung river, has largely increased the flow of the Oswego river, during the dry part of the year, over that of its natural drainage. Assuming that no addition to its flow has been contributed by the State, then that part of the waters of Fish creek diverted for the use of the long level and not returned to this river through the Oneida lake canal, and at the Lodi lock, is so small that it could be easily and fully made up by the construction of compensating reservoirs at the head waters of Fish creek, which it has been ascertained by recent examinations could be constructed at a small expense.

"The estimated cost of constructing this feeder, whereby a supply of 8,000 cubic feet of water per minute will be secured, is $693,250.

"By reference to the Division Engineers' report, it will be observed that the improvements suggested in my last annual report of 'improving the lockage facilities by the application of Heath's patent at lock No. 37, Erie canal,' has, thus far, met with partial success. Further experiments are necessary before making its adoption general."

For details of what has been accomplished in the matter, reference

may be had to the forthcoming report of the commissioners appointed by said act.

## NAVIGATING THE CANALS BY STEAM.

The suggestions made upon this important subject in my last two annual reports, have been, to a certain extent, carried out in the passage of act, chap. 868, Laws of 1871.

Having witnessed in November last several interesting experiments upon the plan of steam towing known as the "Belgian system" put in operation under the provisions of act, chap. 576, Laws of 1870, by the "New York Steam Cable Towing Company." The following is a general description of this method.

An iron or steel wire rope, of from one-half inch to one inch diameter, according to circumstances, is laid down in the bottom of the canal or river, following the bends and the curves of the water-course, resting uninterruptedly through or over locks, and being fastened only at the two extreme ends of the canal.

A steam engine, portable or fixed, is placed on the vessel which has to be towed, or which may serve as tug for towing other boats. This engine works one of Fowler's clip drums, a pulley of peculiar construction, which requires here a more detailed description.

It consists of a cast-iron wheel, the circumference of which, forming the groove of a pulley, is provided with a number of movable clips, turning round steel centers. These clips, each pair about two and a half inches long in the direction of the circumference, nearly touch each other, and form thus a complete movable groove, into which a rope may be placed. The centers of the clips are so arranged that the rope, pressing into the groove by its own strain, produces a slight movement of the clips toward the center of the drum, narrowing thus the space in which the rope rests. This will produce a certain pressure of the clips against the rope, which increases with the force with which the rope is pressed into the clips, and which again is in proportion to the strain exerted by the rope. It is, therefore, clear, that with a very small strain in what is called the back or slack rope, a very considerable strain in the pulling or front rope can be exerted without any danger of slipping, as the friction between rope and pulley increases in proportion to the power exerted.

Without entering into detail, it is fair to presume (all things being equal) that this method of "clip drum" and cable towing saves the power lost by the slip of the screw or paddle of other methods in

propelling against the water, of from forty-five to sixty per cent. This reduction of power, weight of machinery, and consumption of fuel to accomplish the same results, is a great step, in point of economy, toward the successful introduction of steam upon our canals.

Respectfully submitted.

VAN R. RICHMOND,

*State Engineer and Surveyor.*

# EASTERN DIVISION.

## ANNUAL REPORT OF E. H. CROCKER, DIVISION ENGINEER, FOR 1871.

DIVISION ENGINEER'S OFFICE,
ALBANY, *October* 1, 1871.

Hon. VAN R. RICHMOND, *State Engineer and Surveyor:*

SIR.—In accordance with the regulations established under act, chapter 169, Laws of 1862, I have the honor to present you my Annual Report.

The navigable canals, river improvements and feeders, remain the same as last year, and are as follows:

| | Miles. |
|---|---|
| Erie canal from Albany to east bank of Oneida Lake canal.. | 133.58 |
| Albany basin (called 1 mile, for tolls, chap. 200, Laws of 1849), | .77 |
| Port Schuyler and West Troy side cuts..... | .35 |
| Pond above Troy dam..... | 3.00 |
| Champlain canal and Waterford side cut..... | 66.00 |
| Glen's Falls feeder and pond above ..... | 12.00 |
| Black River canal..... | 35.33 |
| Black River feeder and pond above dam..... | 12.09 |
| Delta feeder ..... | 1.38 |
| Black River improvement..... | 42.50 |
| Total Eastern Division ..... | 307.00 |

FEEDERS NOT NAVIGABLE.

| | |
|---|---|
| Mohawk river at Rexford Flats..... | 0.39 |
| Schoharie creek..... | 0.63 |
| Mohawk at Rocky Rift..... | 3.92 |
| Mohawk, south side, at Little Falls..... | 0.19 |
| Mohawk, north side, at Little Falls, partly navigable..... | 0.50 |
| Mohawk at Rome..... | 0.05 |
| Oriskany Creek, temporary..... | 0.53 |
| Total ..... | 6.21 |

## Reservoirs.

| NAME. | Area of surface in acres. | Average area in acres. | Depth in feet. | Capacity, cubic feet. |
|---|---|---|---|---|
| Woodhull | 1,326 | 1,118 | 18 | 876,550,000 |
| North Branch (can be filled twice yearly) | 423 | 277 | 28 | 310,000,000 |
| South Branch | 518 | 372 | 26 | 421,190,000 |
| Total | 2,177 | 1,767 | ..... | 1,607,740,000 |

## Supply of Water for Erie Canal.

On the 4th of August last, the Canal Board, under chapter 767, Laws of 1870, authorized the Canal Commissioner in charge to construct Sand Lake Reservoir, by damming Sand Lake at a point about one and a half miles below Woodhull reservoir, and diverting into it the waters of the third Bisby lake. By raising this lake fifteen feet, a reservoir can be obtained, whose area of surface will be 344.50 acres. Average area, 305.81 acres, and capacity, 199,879,822 cubic feet, capable of furnishing, for 100 days, an additional supply of 1,388 cubic feet of water per minute. It is thought this reservoir can be filled twice yearly.

| SOURCE. | | Distance to be supplied, in miles. | Quan. furnished in cub. ft. per minute. |
|---|---|---|---|
| Champlain canal from Mohawk at Cohoes | | 7 | 6 570 |
| Mohawk river at Rexford's Flats | | 20 | 10,979 |
| Schoharie creek | | 25 | 6,800 |
| Mohawk at Rocky Rift | | 27 | 10,602 |
| Mohawk at Little Falls | | 9 | 12,643 |
| Ilion creek | 800 | 48 | 20,596 |
| Chenango canal | 911 | | |
| Butts' creek, 2½ miles east of Rome | 1,400 | | |
| Mohawk and Black rivers at Rome | 11,766 | | |
| Black River canal | 1,294 | | |
| Wood creek at Rome | 125 | | |
| Oriskany creek (temporary) | 4,300 | | |
| Total | | 136 | 68,190 |

## Supply of Water for Champlain Canal.

From the junction with the Erie at West Troy, to a point one mile north of Waterford, a distance of five miles, the supply is from the Mohawk river at Cohoes; from one mile north of Waterford to the crossing of the Hudson river, two and a quarter miles south of Fort

Miller, a distance of twenty-five miles, the supply is from the Hudson river at Saratoga dam; from that point to Whitehall, a distance of thirty-five miles, the supply is from Glen's Falls' feeder and Wood creek.

### Supply of Water for Black River Canal.

From the junction with the Erie canal at Rome to lock No. 9, seven miles, the supply is from Delta feeder, taken from the Mohawk river; from lock No. 9 to lock No. 34, ten miles, the supply is from Lansing Kill feeder; from lock No. 34 to lock No. 102, seventeen miles, the supply is from Black River feeder; from lock No. 102 to lock No. 109, one and a third miles, the supply is from pond above dam at Lyon's Falls.

The water furnished by the reservoirs is drawn only in the very dry season, and passed down through the natural channel of Black river and Woodhull, about twenty miles each to the pond above dam at head of Black River feeder, thence the necessary quantity is taken into said feeder and passed to the summit level at Booneville. From this point the canal is supplied both ways, and the balance, designed for the use of the Erie canal, is passed off by a waste-weir into the Lansing Kill at the south end of the summit, thence into the Mohawk river, from whence it enters the Erie canal by the feeder at Rome.

### Engineering Department.

On the last day of the fiscal year the number of persons employed in this department, exclusive of the Division and Resident Engineers, was twenty-two; of these thirteen were employed on the Erie canal, three on the Erie and Champlain, and six on the Champlain.

The annexed table, No. 1, exhibits the name, rank, period of service and compensation of all persons so employed, and the amount expended for engineering during the fiscal year.

Act chap. 169, Laws of 1862, places the ordinary repairs of the canals under the general supervision of the engineers appointed by the Canal Board, and the expenditures for engineering under this head are as follows:

| | |
|---|---|
| Repairs Erie canal | $3,620 05 |
| Repairs Champlain canal | 1,936 68 |
| Repairs Black River canal | 817 00 |
| Total | $6,373 73 |

The expenditures for engineering on the improvement of the Champlain canal under act chap. 186, Laws of 1864, during the fiscal year, are $1,577.04.

The expenditures during the fiscal year, on the survey for the enlargement of the Champlain canal, under act chap. 788, Laws of 1870, and survey for Sand Lake reservoir, under act chap. 877, Laws of 1869, are as follows:

| | |
|---|---|
| Survey for enlargement Champlain | $15,035 30 |
| Survey Sand Lake reservoir | 1,494 75 |
| Total | $16,530 05 |

The work on ordinary and extraordinary repairs ordered by Canal Board, and authorized by general and special laws, has been under the supervision of the engineer department, and the expenditures for engineering were paid by the commissioner in charge, and are as follows:

| | |
|---|---|
| Extraordinary repairs, Erie canal | $19,670 00 |
| Extraordinary repairs, Champlain canal | 5,406 00 |
| Extraordinary repairs, Black River canal | 395 00 |
| Total | $25,471 50 |

The expenditures for engineering on this division, including those on the surveys for the fiscal year, are as follows:

| | |
|---|---|
| Ordinary repairs | $6,373 73 |
| Improvement Champlain canal | 1,577 04 |
| Survey, enlargement Champlain canal | 15,035 30 |
| Survey, Sand Lake reservoir | 1,494 75 |
| Extraordinary repairs | 25,471 50 |
| Total | $49,952 32 |

The following comparative tables, A, B and C, show the amount of work done during the fiscal years ending September 30th, 1869–70 and 1871, the cost of engineering and superintending, and the percentage:

## TABLE "A."

| NAME OF CANAL. | 1869. | | | 1870. | | |
|---|---|---|---|---|---|---|
| | Work done. | Engineering including surveys. | Per-centage. | Work done. | Engineering including surveys. | Per-centage. |
| Erie | $183,177 20 | $21,081 82 | 11.50 | $352,390 46 | $26,566 59 | 7.53 |
| Champlain | 236,873 91 | 15,434 64 | 6.51 | 374,770 53 | 25,396 83 | 6.77 |
| Black River | 14,193 82 | 4,522 60 | 31.80 | 53,956 00 | 2,200 92 | 4.00 |
| Total | $434,244 93 | $41,039 06 | 9.4-10 | $781,116 99 | $54,164 34 | 6.9-10 |

## TABLE "B."

| NAME OF CANAL. | 1869. | | | 1871. | | |
|---|---|---|---|---|---|---|
| | Work done. | Engineering excluding surveys. | Per-centage. | Work done. | Engineering excluding surveys. | Per-centage. |
| Erie | $183,177 20 | $15,361 57 | 8.38 | $352,390 46 | $23,883 88 | 6.70 |
| Champlain | 236,873 91 | 15,434 64 | 6.51 | 374,770 53 | 15,947 81 | 4.25 |
| Black River | 14,193 82 | 4,130 60 | 22.00 | 53,956 00 | 1,568 92 | 3.00 |
| Total | $434,244 93 | $34,926 81 | 8. | $781,116 99 | $41,400 61 | 5.3-10 |

## TABLE "C," 1871.

| NAME OF CANAL. | INCLUDING AMOUNT EXPENDED ON ENGINEERING AND SURVEYS. | | | EXCLUDING AMOUNT EXPENDED ON ENGINEERING AND SURVEYS. | | |
|---|---|---|---|---|---|---|
| | Work done. | Engineering. | Per-centage. | Work done. | Engineering. | Per-centage. |
| Erie | $296,762 67 | $24,784 80 | 8.35 | $296,762 67 | $23,290 05 | 7.85 |
| Champlain | 346,268 28 | 23,955 52 | 6.90 | 346,268 28 | 8,920 22 | 2.57 |
| Black River | 43,719 86 | 1,212 00 | 2.70 | 43,719 86 | 1,212 00 | 2.70 |
| Total | $686,750 81 | $49,952 32 | 7.2-10 | $686,750 81 | $33,422 27 | 4.8-10 |

## WORKS ON THE DIFFERENT CANALS.

The amount of work done during the fiscal year on all the canals under the immediate supervision of this department, is as follows:

### *Erie Canal.*

| | | |
|---|---|---|
| Ordinary repairs under contract | $63,136 00 | |
| Extraordinary repairs under contract | 222,016 23 | |
| Extraordinary repairs not under contract | 11,610 44 | |
| | | $296,762 67 |

*Champlain Canal.*

| | | |
|---|---|---|
| Ordinary repairs under contract..... | $120,644 63 | |
| Extraordinary repairs under contract ... | 145,367 60 | |
| Extraordinary repairs not under contract, | 26,887 74 | |
| Improvement, Champlain..... | 53,368 31 | |
| | | $346,268 28 |

*Black River Canal.*

| | | |
|---|---|---|
| Ordinary repairs under contract..... | $800 00 | |
| Extraordinary repairs under contract ... | 18,051 45 | |
| Extraordinary repairs not under contract, | 24,868 41 | |
| | | 43,719 86 |
| Total ..... | | $686,750 81 |

## Description of Work Done During the Year.

### *Erie Canal — Ordinary Repairs.*

The annexed table, No. 3, is an exhibit of the expenditure under this head; and, aside from dredging the Albany basin, nothing of consequence has been done under the supervision of this department.

### *Extraordinary Repairs.*

Table No. 2 shows how many pieces of work have been under contract during the year, the progress of each, and the number completed.

The following, authorized by Laws of 1869, have been completed:

Sluice at Cohoes guard lock; removing wall benches, etc., and constructing vertical walls at Utica and Rome; lengthening culvert at Frankfort; cast iron arch truss bridge at Fonda street, Schenectady, and at Schuyler street, Utica; also an iron highway and towpath bridge, connected just above lock 18, authorized by Laws of 1871.

The following work, provided for by general laws, and done by the Commissioner in charge, under the authority of the Canal Board, has been completed:

Two farm bridges and a ditch on the Rocky Rift feeder; lengthening the west abutment of White street bridge, Cohoes, and removing original bottom and improving the Erie canal, in connection with it, on the berme side, just above lock No. 39. This latter work was completed and ready for navigation last spring, and it has proved of great benefit during the past season.

The machinery for utilizing the feed water, at lock No. 37, authorized by resolution of Canal Board, on the eighth day of December last, and for which an appropriation of $4,000 was made by chapter 930, Laws of 1871, has been completed and in operation.

The work was done by George Heath, the projector of the plan, under the supervision of the Division Engineer and Commissioner in charge. The cost will exceed the appropriation, and the balance will have to be provided for. In operating his machinery, Mr. Heath uses the feed water, which is constantly passing from the upper to the lower level, down through the well and culvert. It is applied to a water wheel, located in the well at the head of the locks, and by means of his machinery, thus operated, opens and shuts the tumble and lower miter gates, and draws boats into and out of the lock with marked ease and rapidity.

The machinery seems to operate very satisfactorily, and while I am not fully prepared to recommend its immediate adoption, until it has been more thoroughly tested, I am quite inclined to the belief that important results may grow out of it, one of which will be the saving of water in times of its scarcity, by doing away with the hitherto almost universal practice of flushing boats into and out of the locks.

In connection with this, I subjoin the following statement, made by Mr. Heath:

E. H. CROCKER, *Division Engineer, Albany:*

SIR.—Having taken the measurements of the lock and boats, and noted the time to perform one lockage, I take great pleasure in sending you the subjoined statement, showing the amount of water saved to the canal for each down locking of a loaded boat by the use of my "machinery for utilization of feed water," and have endeavored to make it as plain as I could, so that you may understand how my calculations were made:

It requires to flush a boat into the lock, one-half of valve A opening=13 inches × 48 inches; time say 1½ min., and 6.71 cub. ft. of water per sq. in. per min. and 10 feet head=13″ × 48″ × 1½ min. × 6.71 cub. ft.=..... 6,280.56 cub. ft.

To flush boat out of lock=26″ × 48″ × 1½ min. × 6.71 cub. ft.=..... 12,551.12 " "

Add amount of water to fill lock 110′ × 18′ × 10′ less amount displayed by boat=19,800—9,000= 10,800.00 " "

Amount used at one locking by flushing..... 29,631.68 " "

| | | |
|---|---|---|
| By machinery for utilization of feed water—amount of water used for one lockage is amount used by wheel=4.19 cub. ft. per min. and time 4 min., we have 4.19 × 4 min=..... | 16.76 | cub. ft. |
| Add water in lock 110′ × 18′ × 10′ less amount displaced by boat=19,800—9,000=..... | 10,800.00 | " " |
| Amount of water by machinery for one lockage.. | 10,816.76 | " " |
| Flushing system—amount of water used for one down locking loaded boat..... | 29,631.68 | " " |
| Machinery system—amount used..... | 10,816.76 | " " |
| Amount saved in one down locking..... | 18,814.92 | " " |

For one day's locking of 140 boats down we have saved 18,824 cub. ft. × 140=2,635,360 cub. ft.

This amount of water saved daily for a boating season of 200 days will fill 223 miles of canal the size of the Erie.

| | |
|---|---|
| The saving to the State in lock tending will be four men × 7½ months × $40..... | $1,200 |
| Two men × 7½ months × $50..... | 750 |
| Amount saved by use of machinery..... | $450 |

per lock for season of 7½ months.

Very respectfully,

Your obedient servant,

GEO. HEATH.

Lock No. 2 is in process of construction and will be completed probably and brought into use next spring.

The iron sidewalk bridge at Summit street, Cohoes, is ready to be placed upon the abutments, and will be put up when the water shall have been drawn off.

Work on the bridge at Ilion has been suspended for want of funds. A further appropriation of $1.500 will be required to finish it.

The work on the side-cut locks at West Troy has been suspended, owing to the unfortunate failure of the last Legislature to reappropriate the funds for that object.

Nothing has as yet been done on the stone dam across the Hudson river at Troy, for which $40,000 was appropriated by Laws of 1869, and the further sum of $10,000 by Laws of 1870.

The greater portion of the work let under laws of 1869, 1870 and 1871, including the removal of the old wall-benches, has made reasonable progress.

The lengthening of Schoharie Creek dam, which was let last winter, will be completed this fall, and will be a valuable improvement to that structure. Its length will have been increased from 436 to 588 feet. The cost of the work will exceed the amount appropriated, and a further appropriation will be necessary to settle the account.

During the month of August last, it became evident, on account of the vast increase of business on the Erie canal, and the increase of lockages over past seasons, that a scarcity of water for purposes of navigation was imminent, and that serious embarrassments to the same were threatened; hence, something had to be done to meet the emergency. The Commissioners at once looked the ground over and decided upon Oriskany creek as the source from which to obtain the necessary supply in the shortest space of time. Accordingly a survey was made, and a large force of men and teams employed to construct a temporary feeder; within a little over a month from the time of its commencement, the feeder was brought into use, and has been invaluable as a temporary relief. The Commissioner in charge of the Eastern Division is entitled to much credit for his prompt action and personal efforts in bringing about this result.

## CHAMPLAIN CANAL.

### Ordinary Repairs.

Table No. 3 shows work done and in progress, and what portion of the cost is chargeable to the revenues from the canals, the balance being provided for by tax.

### Extraordinary Repairs.

The stone dam across the Mohawk river at Cohoes, let by the Canal Board in April, 1868, will be completed this fall. It will have been constructed at a large cost, including unavoidable damages done by freshets, but it will be a noble and enduring structure long after the present generation shall have passed away.

The dredging of the Whitehall basin, authorized by the Laws of 1868, 1869 and 1870, has been in progress. Vast amounts of deposit have been removed and the basin has been much improved. The

elbow at the north end, which has always been a great impediment to navigation, has been in a measure straightened and greatly improved.

The following work, authorized by Laws of 1869 and 1870, has been completed: guard lock, head of Glen's Falls feeder; vertical wall and stop gate at Fort Edward; Flynn's lock, and a wrought-iron road and tow path bridge at Fort Edward.

The following work, authorized by the same laws, has made satisfactory progress: Saratoga (stone) dam; vertical wall at Sandy Hill; improvement at Waterford, and the improvement from south guard lock above Schuylerville to Bullard's Bend. The Canal Commissioners, under the Laws of 1871, put under contract the *two* locks at the "Three locks" above Waterford, to be completed in the spring of 1873.

Chapter 930, Laws of 1871, provided for two stop gates at the mouth of the Glen's Falls feeder, to be completed and ready for navigation last spring, and to be done by contract, or ortherwise, as the Commissioners might decide; accordingly, upon the estimate of the engineer, the Canal Board authorized the Commissioners to proceed and do the work as the law provided. It was completed and ready at the opening of navigation.

The dam across the Hudson river, at the head of the Glen's Falls feeder, authorized by chapter 877, Laws of 1869, was placed under contract in August, 1870.

In due time the contractor was notified to proceed with the work. He visited the site of the proposed structure, and after a careful examination, decided that the work could not be done according to plans and specifications at his contract prices; he subsequently concluded to abandon his contract (which he did the following winter) rather than incur the risk of heavy loss in the fulfillment of it.

On examination, the old dam being found in very bad condition, in fact, liable to go out at almost any time, and the forwarders and business men on the Champlain Canal having urged the Commissioner in charge to rebuild it at the earliest possible period, he finally determined, under the authority and permission of the Canal Board, to reconstruct the dam by day labor. About the first of February the work was commenced, and has been vigorously pushed forward ever since. It will be finished this year, and when completed will be one of the handsomest and most enduring structures of the kind on this division. It is being constructed strictly in accordance with the plans originally adopted by the Canal Board.

The probabilities are that the total cost will be quite in excess of the engineer's estimate, as much more work was found necessary to be done on both sides of the river than was anticipated at the time the estimate was made. Some two or three thousand yards of rock were removed from the bed of the river on the north side to allow freer passage of the water into the feeder, and upon the south side the distance between the bed of the stream and the rock (upon which the whole structure rests throughout its entire length) was found to be much greater, thus involving more excavation to reach it, and a much greater expense for bailing and draining and heavier protection masonry, extending from the rear of the south abutment to the foot of the hill, so as to completely fortify that end of the dam against high freshets.

The item of bailing and draining has been very expensive, it being necessary to construct about 1,100 lineal feet of coffer dam, eighteen feet high and twenty feet wide; this could not be avoided, as it was impossible to maintain navigation on the Champlain canal without it. When this very important structure shall be completed, there will be an abundant supply of water for the Champlain canal for years to come, and there need be no apprehensions as heretofore of suspension of navigation on that canal on account of the failure of the feeder dam.

The Commissioner in charge of this division should receive the thanks of every business man on the line of this canal for so resolutely putting this work in such a substantial condition.

## Improvement Champlain Canal.

The annexed table, No. 2, shows the amount of work done under this head during the fiscal year.

In accordance with the recommendations in my last annual report all the old contracts then in existence have been closed and the final accounts settled, as shown by the table. This should have been done long since as, under the Laws of 1864 for the improvement, there seems to have been no fixed plans to work to, as well as no limit to doing work under the contracts, and hence a large amount of money was expended without any substantial benefit. Under chapter 788, Laws of 1870, it will be different, as an accurate and careful survey has been made, maps and plans adopted and placed on file, according to which all new work is to be done hereafter.

It will be necessary for the Legislature to make a further appropriation to pay the certified drafts given in settling the improvement accounts.

## BLACK RIVER CANAL.

### Ordinary Repairs.

What has been done under this head, in addition to the ordinary repairs of the canal, may be seen by reference to table No. 3.

The iron bridge at Dominick street, Rome, has been completed, and that at Booneville will be completed this fall.

### Extraordinary Repairs.

By reference to table No. 2, it may be seen what work has been in progress, and what completed during the fiscal year.

The work on the bridge over the Black river at Parker's Landing, has long been suspended for want of funds. A further appropriation is necessary to complete it.

The work of inserting cast iron discharge pipes at Woodhull reservoir, has been completed, and the reservoir put in a condition to need no further repairs for many years.

### General Improvements.

In addition to the work under contract, some thirty-six (36) miles of the old wall-bench, on the tow-path side, still remain in the canal on this division. Wherever it has been removed, taking into account the manner in which it had worked into the center of the canal, at least twenty-five per cent has been added to the efficiency of the prism. There is no improvement more important than this, and none that would be of so much benefit to navigation. There are some points where the old bench is very bad; it is a constant obstruction and annoyance, and should be taken out at the earliest possible period.

But for the small appropriation for this purpose, last winter, these places would have been put under contract the present year.

The bench still remaining on the tow-path side, not under contract, is distributed as follows:

| | Miles. |
|---|---|
| Between lock 23 and Fultonville | 5.80 |
| Between Sprakers and Little Falls | 15.50 |
| Between Little Falls and Utica | 12.00 |
| Between Newville and Wood creek | 2.50 |
| Total | 35.80 |

Just as soon as the money shall be provided, those portions from Sprakers to Canajoharie, and from lock 45 to Utica, should be put under contract. Further and immediate appropriations should be made for this object.

George Heath's "tumble gate" has been very thoroughly tested, and merits recommendation. It should be put into every lock, the lift of which is six feet or over. It is easily and more quickly operated, and much tighter than the miter gate. It has been inserted at locks 37, 39, 44 and 45 on the Erie canal, and at Flynn's, Hewitt's, Becker's, Fort Miller and Moseskill (new enlarged) locks on the Champlain, and found to work entirely satisfactorily.

This gate, in connection with the utilizing machine (if a success) referred to in another part of this report, will prove important water-saving agents.

As recommended in my last annual report, this gate should be inserted into locks Nos. 21 and 22, Erie canal, immediately.

## CHAMPLAIN CANAL.

"The old junction locks" at Cohoes, which were built on the enlarged size, are very much decayed and very soon will have to be rebuilt. I doubt whether they can be made to last longer than another season. They are liable to fail at any time. They were built in 1860, of wood; are combined, and eleven feet eight inches lift each. When rebuilt they should be separated, as shown on enlargement map, and by all means be built of stone. The guard-lock on the north side of the Mohawk river at Cohoes, built at the same time, also of wood, has about served its time, and is in need of being rebuilt of stone.

That portion of the river bank between this lock and the abutments to the new stone dam should be better protected with either rip-rap, heavy slope or vertical wall; also the bank on the south side, between abutment and guard-lock, should be raised and substantial vertical wall in cement laid up. This is more necessary on account of the speedy completion of the stone dam across the river at this place. This dam will be perfectly tight, and will contribute towards raising the water still higher in time of freshets.

The Schuylerville aqueduct (the center pier of which gave way last July) should be rebuilt and located farther north.

Dunham's Basin waste-weir will need rebuilding the coming winter.

There are some important improvements that might be made on the Glen's Falls feeder between its mouth and the head of the thirteen locks. One of the most important is the construction of a crib-pier extending from the berme wing of the lower of the five combined locks, down some hundred or more feet, to serve as a break-water against the mouth of the long sluice around these locks. It would add very much to the facility of navigating that level and entering the lower lock. Lock No. 11, which was built of wood in the spring of 1856, should be rebuilt of stone the coming winter and spring.

The leaks in the Glen's Falls feeder, through the fissures of the rocks, have again become enormous. It will be necessary to give them early attention.

I have no doubt but that as much water is wasted through these leaks as is taken into the main canal at the mouth of the feeder.

There are a few points on this feeder where the banks are of sand, very porous, and in the spring of the year when the water is first let in percolates through the banks and causes slides, and, in a few instances, has well-nigh caused disastrous breaks. One of the worst of these places extends from a point about 200 feet east of Brown's bridge to a point 300 feet west of the same. Vertical wall laid in cement and grouted should be put in at this place the coming spring. A break here would prove very disastrous and expensive to repair.

## Enlargement.

In my last annual report I had occasion to refer briefly to the survey for the enlargement of the Champlain canal under act chapter 788, Laws of 1870.

On the 14th of February following I had the honor to transmit to you on the subject the following report:

Division Engineer's Office,
Albany, *February* 14, 1871.

Hon. Van R. Richmond, *State Engineer and Surveyor:*

Sir.—Act chap. 788, Laws of 1870, provides for the enlargement of the Champlain canal in such a manner as to give throughout its entire length a uniform depth of seven feet of water, a width on the bottom of forty-four feet, and at water surface a width of fifty-eight feet except as in the opinion of the Canal Board may be required for business purposes, in which case the walls may be made vertical, retaining the same surface width.

Section three of the same act makes it the duty of the State Engineer to make, or cause to be made, at the earliest time practicable, the necessary surveys, maps, plans and estimates of such proposed enlargement. In compliance with this provision, you directed me in the month of June last to organize the necessary forces and proceed to make the necessary surveys, etc.

In obedience to your directions two parties were accordingly organized and entered upon duty the first day of July following. One in charge of S. E. Babcock, Esq., on that portion of the line extending from its junction with the Erie canal at West Troy to the south end of Fort Miller bridge, above Schuylerville, the other in charge of W. B. Cooper, Esq., on that portion extending from Fort Miller bridge to Whitehall.

Both parties were assiduous in the prosecution of their respective duties, and closed their field work in the early part of December, at which time several of each party were discharged, those only being retained whose services were necessary for the office work on maps, plans, estimates, etc.

The method of the survey has been in accordance with that prescribed in the established regulations.

As a general thing, the line of the new survey coincides with the old line, departures being made only when the line could be straightened and improved, and as economically built.

The maps, plans and estimates, which I herewith respectfully submit for your examination, have been prepared with great care, and hence are invaluable, especially the maps, for future reference and use, even in the event of not proceeding immediately with the enlargement.

By reference to the abstracts of estimated quantities and prices it will be seen that the estimated cost of enlarging the Champlain canal, throughout its entire length, to the dimensions prescribed in the act, is as follows:

| | |
|---|---|
| First division, extending from junction at West Troy to south end of Fort Miller bridge, 29 76-100 miles | $1,520,345 27 |
| Second division, extending from south end of Fort Miller bridge to the village of Whitehall, a distance of 33 88-100 miles | 1,330,229 45 |
| Total, 63 64-100 miles | $2,850,574 72 |

This estimate covers everything except the cost of constructing two lift locks in place of the "Three locks," north of Waterford, the major portion of the cost of which will be chargeable to the revenues; the remainder it is expected will be provided for by tax this winter, also the enlargement of the guard lock on Wood creek, five miles south of Whitehall, at a cost over old plan not to exceed seven thousand dollars ($7,000).

In connection with this a survey was made to ascertain the cost of constructing an independent line of canal outside of Wood creek, extending from the lower lock at Fort Ann village to the guard lock north, a distance of six miles. To construct this line and make it entirely independent of said creek, will involve the construction of one aqueduct, two lift locks, of three feet each, one dam and bulkhead and a feeder a half a mile long, four road bridges, four farm bridges, one railroad bridge, one change bridge, two box culverts, and an appropriation of about ninety acres of land, at an estimated cost of..... $364,400

Estimated cost, as per old line, with proposed improvements, as shown by maps..... 80,775

Excess..... $283,625

It would also be necessary to occupy about one mile of the Rensselaer and Saratoga railroad line, and throw the same parallel with itself westward.

This independent line, if built, would be free from the frequent annoyances and delays occasioned by high water, be much less expensive to maintain, and would possess otherwise many advantages.

The plans and specifications for the mechanical structures are generally similar to those adopted for the Erie canal enlargement, varied to correspond with the breadth of prism, and with a view to economy in the character of the work, changed as regards masonry.

The locks on this canal consist of twenty-three lift (including the three side cut at Waterford), one weigh and four guard locks, all of which have been enlarged to the size of the Erie locks, except Flynn's, four and a half miles north of Waterford and the "Three locks" just north of Waterford, and the guard lock on Wood creek, five miles south of Whitehall. Provision has been made for the construction of Flynn's lock on the enlarged size, and it is now under contract to be completed on the 1st of May next.

The "Three locks" need rebuilding immediately, and when done it is designed to dispense with the middle one, and construct only two with equivalent lifts. The only one then remaining to be enlarged will be the guard lock on Wood creek, which can be done at a trifling cost.

The weigh-lock at Waterford, constructed in the winter and spring of 1861–2, was built to accommodate the largest class of Erie canal boats; hence on the 1st of May next there will remain to be enlarged only one guard and two lift locks.

### AQUEDUCTS.

There are now four small aqueducts on the old canal. One of them has been built with reference to enlargement; and the other three, with slight alterations, and at a nominal expense, can be adapted to the proposed prism. In order to secure sufficient water way for the stream just below Flynn's lock, it will be necessary to convert the culvert now there into a small aqueduct of one span only.

Act chapter 767, Laws of 1870, provides for an aqueduct at Wilbur's basin, or creek, and appropriates $20,000 to pay the cost of construction. This will be built on the enlarged size, perhaps within the next eighteen months.

### CULVERTS.

There are on the present old canal nineteen culverts, eleven arch and eight box. The greater portion of them will have to be lengthened only; the balance entirely rebuilt. In order to insure safety, and to prevent the rapid accumulation of drift and sediment in the canal, thereby forming bars and obstructions to be removed every spring at quite an expense, it will be necessary to construct a new arch culvert, at Pratt's farm, station 530, and one at Leland's farm, station 821, and a box culvert just above Wilbur's basin, at station 1623.

### WASTE-WEIRS.

Of these structures there are fourteen, all of which it will be necessary to take up and rebuild, with the exception of two, one at Wilbur's basin, and the other one mile north. Four-fifths of them are small, cheap structures, and it is proposed to rebuild and enlarge them on a substantial but economical plan, conforming to the enlarged prism.

## Bridges.

There are, on the old canal, seventy-one road bridges (sixty-six wood and five iron); seventy-six farm; seven change (five wood and two iron), and seven railroad bridges, all of which will require lengthening and raising, except eleven road (seven wood and four iron), and three change bridges (two iron and one wood). In a majority of cases, it will only be necessary to take down and rebuild one abutment to each bridge.

The general plan of farm and road bridges, proposed for the enlargement, is that of Whipple's wood truss, with wrought-iron chords and cast-iron shoes.

I am convinced, from observation and experience, that this style of bridge is about as durable and economical as any of its class. As decay and failure first begin with the bottom chords, at the toe of the braces, it is obvious that the substitution of iron for wooden chords must add a large percentage to the life of the structure. The general clear span of a right angular bridge is fixed at sixty-four feet.

## Dams.

There are six dams on the canal: one across the Mohawk river at Cohoes; one across the Hudson river at Fort Miller bridge; one at the head of the Glen's Falls feeder; and three on Wood creek.

The first three are long and important ones, and are being rebuilt; those at Cohoes and Fort Miller bridge, of stone, and that at the head of the Glen's Falls feeder, of wood and stone; all with reference to a depth of seven feet of water on the mitre sill at low water. Means have been provided for their completion.

Of those on Wood creek, near Whitehall, two are of stone and one of trees, all built some years ago, and with reference to enlargement.

As regards the supply of water for this canal there need be no apprehension. From its junction with the Erie canal at West Troy to the "Three locks" above Waterford, a distance of five miles, the supply will be, as now, from the Mohawk river at Cohoes; from the "Three locks" to Fort Miller bridge it will be from the Hudson river; from Fort Miller bridge to Whitehall, it will be from the Hudson river and Wood creek.

The following are the reports of Messrs. Babcock and Cooper on this subject:

Engineer's Office,
West Troy, *February* 13, 1871.

E. H. Crocker, *Division Engineer:*

Sir.—I submit herewith an estimate of the quantity of water required to supply the first division of the Champlain canal, extending from West Troy to Saratoga bridge, enlarged as proposed by act chap. 788, Laws of 1870, viz.: forty-four feet bottom width; fifty-eight feet surface, and seven feet depth of water, with slope one to one.

From West Troy to Waterford the supply will be from the Mohawk river at Cohoes, upon which I have not thought it necessary to make an estimate; the quantity being deemed amply sufficient. From Waterford to Saratoga dam the supply will be from the Hudson river.

The capacity of the bulkhead at the guard-lock at Saratoga dam is 25,272 cubic feet per minute.

My estimate in detail accompanying this report shows the amount of water required from Saratoga dam to Waterford, a distance of 26.25 miles, to be 6,770 cubic feet per minute, as follows:

| | Cubic feet per minute. |
|---|---|
| Evaporation and filtration | 3,641 |
| Leakage from locks | 1,602 |
| " at aqueducts | 37 |
| " " waste-weirs | 200 |
| Lockage water required | 1,290 |
| Total | 6,770 |

Supply.

| | |
|---|---|
| Capacity of bulkhead at Saratoga dam | 25,272 |
| Surplus | 18,502 |

Estimating the total number of lockages per day at two hundred, the estimated full capacity, the amount of water required to operate this division would be 9,085 cubic feet per minute; still leaving a surplus of 16,187 cubic feet per minute.

Respectfully submitted.

S. E. BABCOCK,
*Assistant Engineer.*

Engineer's Office,
Fort Edward, *February* 13, 1871.

E. H. Crocker, *Division Engineer:*

Sir.—With this I inclose an estimate of the amount of water required to supply the Champlain canal, enlarged as proposed by act chapter 788, Laws of 1870.

* * * * * * * * * * * *

I have not deemed it necessary to make any estimate of the amount required from Fort Ann to Whitehall, as we have, in addition to lockage water and leakage from Fort Ann locks, the water of Wood creek and Half-way brook, and drainage of Whitehall level. My estimate in detail accompanying this shows the amount required from Fort Ann to Hudson river, at Fort Miller bridge, a distance of 22.2 miles to be 8,355 cubic feet per minute, as follows:

| | Cub. ft. per min. |
|---|---|
| Evaporation and filtration | 3,245 |
| Leakage from aqueducts | 53 |
| Leakage at waste weirs | 200 |
| Leakage at locks | 2,564 |
| Evaporation and filtration, Glen's Falls feeder | 660 |
| Lockage water northerly | 624 |
| Lockage water southerly | 1,009 |
| Total | 8,355 |

To supply which we have the Glen's Falls feeder, with capacity of 23,375 cubic feet per minute, with a dam and bulkhead of 25,275 cubic feet per minute.

I have made no allowance for the extraordinary leakage in the Glen's Falls feeder, which, I assume, will be stopped.

Respectfully submitted.

W. B. COOPER,
*Assistant Engineer.*

On the completion of the new dams now in progress at Cohoes, Fort Miller bridge, and at the head of the Glen's Falls feeder, the supply of water must be sufficient beyond a question.

Whenever the two locks in place of the "Three locks" above Waterford shall be built, that portion of the canal extending thence to Hewitt's lock, a distance of 4¾ miles, should be enlarged, as the

dispensing with one of the "Three locks" involves the changing of the level in elevation from twelve to fifteen inches.

In conclusion, I desire to express my appreciation of the efficient services rendered by Messrs. Babcock and Cooper, and their assistants, in preparing the surveys, maps, etc.

Respectfully submitted.

E. HOWARD CROCKER,
*Division Engineer.*

*ABSTRACT of the character and amount of work required to construct the enlarged canal from the junction of the Erie and Champlain canals, West Troy, to Saratoga bridge.*

| Quantities. | ITEMS. | Estimated price. | Amounts. |
|---|---|---|---|
| 161 | Acres land appropriated | $100 00 | $16, 100 00 |
| 10 | Buildings to be removed | 50 00 | 500 00 |
| | Temporary damages | 5, 000 00 | 5, 000 00 |
| 1 | Grubbing and clearing | 5, 800 00 | 5, 800 00 |
| 1 | Bailing and draining | 14, 500 20 | 14, 500 20 |
| 1, 113, 386 | Cubic yards excavation of earth | 25 | 278, 346 50 |
| 38, 742 | Cubic yards excavation of solid rock | 1 50 | 58, 113 00 |
| 176, 204 | Cubic yards excavation of loose rock | 1 00 | 176, 204 00 |
| 3, 882 | Cubic yards excavation of old masonry | 1 00 | 3, 882 00 |
| 202, 541 | Cubic yards embankment | 20 | 40, 508 00 |
| 138, 441 | Cubic yards lining | 50 | 69, 220 50 |
| 13, 000 | Cubic yards procuring and puddling | 80 | 10, 400 00 |
| 114, 634 | Cubic yards slope wall | 2 50 | 286, 685 00 |
| 26, 890 | Cubic yards vertical wall in cement | 5 00 | 134, 450 00 |
| 14, 279 | Cubic yards vertical wall, dry | 4 00 | 57, 116 00 |
| 700 | Cubic yards loose stone | 1 50 | 1, 050 00 |
| 200 | Cubic yards loose stone and brush | 2 50 | 500 00 |
| 12, 081 | Cubic yards masonry, ashlar | 8 00 | 96, 648 00 |
| 200 | Cubic yards masonry, arch | 15 00 | 3, 000 00 |
| 809 | Cubic yards masonry, in coping | 15 00 | 12, 135 00 |
| 340 | Cubic yards masonry, in concrete | 5 00 | 1, 700 00 |
| 90, 509 | Feet B. M. white oak | 70 00 | 6, 335 63 |
| 49, 983 | Feet B. M. hard wood | 40 00 | 1, 999 32 |
| 468, 637 | Feet B. M. pine | 50 00 | 23, 431 85 |
| 1, 556, 229 | Feet B. M. hemlock | 25 00 | 38, 905 75 |
| 2, 400 | Lineal feet piles delivered | 12 | 288 00 |
| 2, 400 | Lineal feet piles driven | 12 | 288 00 |
| 196, 473 | Pounds wrought-iron | 10 | 19, 647 30 |
| 113, 494 | Pounds cast-iron | 08 | 9, 079 52 |
| 10, 700 | Pounds spikes and nails | 08 | 856 00 |
| 9, 576 | Square yards painting | 50 | 4, 788 00 |
| 142 | Rods road | 5 00 | 710 00 |
| 5, 635 | Lineal feet snubbing posts | 70 | 3, 944 50 |
| | | | $1, 382, 132 07 |
| | Engineering and contingencies | 10 per ct. | 138, 213 20 |
| | Total | | $1, 520, 345 27 |

*ABSTRACT of the character and amount of work required to construct the enlarged Champlain canal, from Saratoga bridge to Whitehall.*

| Quantities. | ITEMS. | Estimated prices. | Amounts. |
|---|---|---|---|
| 127 | Acres land appropriated | $100 00 | $12, 700 00 |
| 50 | Buildings to be removed | .50 | 2, 500 00 |
| | Temporary damages | ..... | 10, 000 00 |
| 1 | Grubbing and clearing | ..... | 3, 000 00 |
| 1 | Bailing and draining | ..... | 10, 000 00 |
| 1, 183, 250 | Cubic yards excavation of earth | 25 | 295, 812 50 |
| 49, 150 | Cubic yards excavation solid rock | 1 50 | 73, 725 00 |
| 3, 500 | Cubic yards excavation loose rock | 1 00 | 3, 500 00 |
| 5, 850 | Cubic yards excavation old masonry | 1 00 | 5, 850 00 |
| 285, 250 | Cubic yards embankment | 20 | 57, 050 00 |
| 164, 420 | Cubic yards lining | 50 | 82, 210 00 |
| 18, 000 | Cubic yards procuring and puddling | 80 | 14, 400 00 |
| 132, 690 | Cubic yards slope wall | 2 50 | 331, 725 00 |
| 8, 805 | Cubic yards vertical wall in cement | 5 00 | 44, 025 00 |
| 26, 785 | Cubic yards vertical wall, dry | 4 00 | 107, 140 00 |
| 700 | Cubic yards loose stone | 1 50 | 1, 050 00 |
| 200 | Cubic yards loose stone and brush | 2 50 | 500 00 |
| 10, 677 | Cubic yards masonry, ashlar | 8 00 | 85, 416 00 |
| 140 | Cubic yards masonry, arch | 15 00 | 2, 100 00 |
| 622 | Cubic yards masonry, in coping | 15 00 | 9, 330 00 |
| 270 | Cubic yards masonry, in concrete | 5 00 | 1, 350 00 |
| 88, 700 | Feet B. M. white oak | 70 00 | 6, 209 00 |
| 45, 200 | Feet B. M. hard wood | 40 00 | 1, 808 00 |
| 454, 000 | Feet B. M. pine | 50 00 | 22, 700 00 |
| 3,458, 200 | Feet B. M. hemlock | 25 00 | 86, 455 00 |
| 4, 800 | Lineal feet piles delivered | 12 | 576 00 |
| 4, 800 | Lineal feet piles driven | 12 | 576 00 |
| 172, 650 | Pounds wrought-iron | 10 | 17, 265 00 |
| 100, 950 | Pounds cast-iron | 08 | 8, 076 00 |
| 8, 450 | Pounds spikes and nails | 08 | 676 00 |
| 8, 300 | Square yards painting | 50 | 4, 150 00 |
| 85 | Rods road | 5 00 | 425 00 |
| 10, 000 | Lineal feet snubbing posts | 70 | 7, 000 00 |
| | | | $1, 209, 299 50 |
| | Engineering and contingencies | 10 per ct. | 120, 929 95 |
| | Total | | $1, 330, 229 45 |

There has been on this canal a steady increase of business almost every year over each preceding year.

The amount done would be much greater but for the almost yearly low stage of water in the Hudson river during portions of the season. From three to six weeks of each year the lumber manufactories have been forced to stand still and a large number of operatives thrown out of employment.

The mills have been shut down and the water taken for canal purposes.

The consequence has been an immense decrease in the manufacture of lumber and a consequent loss of that amount of business to the canal. This question has become an important one, not only to the operators and laboring men along the line of the stream, but also to

the State in its loss of trade and tolls. It has been estimated from reliable data that the amount of lumber manufactured on the river within a distance of nine miles between the village of Fort Edward and the Glen's Falls feeder dam was less last year by ninety millions of feet, board measure, than the average of the preceding five years. This trade has all been lost to the Champlain canal, and tolls to the amount of many thousands of dollars lost to the State.

There is a remedy for this, and it should be resorted to at the earliest practicable period.

It is in the construction of reservoirs on the head waters of the Hudson river, where nature in many instances offers marked facilities for such purposes. There are a number of lakes whose outlets could be dammed at a nominal expense, large areas flowed, and vast quantities of water husbanded for use in time of dry weather and need. It is estimated from reliable information that Indian lake alone, whose water shed is about 125,000 acres, could at a small expense be converted into a reservoir that would hold about three thousand millions cubic feet of water, nearly double the capacity of all three of the reservoirs on the head of the Black river. The same might be said of Schroon, Paradox and other lakes.

For a number of years past the Hudson river has been subject to heavy freshets, especially in the spring. The waters from rains and melting snows accumulating from those extensive water-sheds more rapidly than in former years, passes into the main channel, swelling it to vast proportions, the mighty volume rushing onward, imperiling and damaging property to the amount of hundreds of thousands of dollars all the way from its source to the city of Albany. A few weeks elapse, and the water is so low as not only to stop the manufactories along the stream, but to embarrass navigation on the canals, and especially on the river in the vicinity of Troy and Albany.

A few reservoirs constructed, as suggested, on the head waters of the river, would be of inestimable value in keeping back in the spring, or in times of excessive rains, this vast surplus of water for use whenever needed.

It is to be hoped that the attention of the Legislature will be called to this subject at an early day, and that appropriations will be made to pay the cost of examinations and surveys for these reservoirs.

Some thirty-four of the locks on the Black River canal are in a bad condition. They were originally built of shaky, unsound stone, and their decomposition, together with the disappearance of the mortar

from the joints, render them exceedingly leaky, and the gates very difficult to operate. Something will have to be done to them to remedy this evil. It is possible that by excavating in rear of the chamber walls, from the lower quoins to the head, and carefully grouting, the masonry may be so repaired as to last for a number of years.

It can but be a source of much gratification to the Canal Commissioners and the other members of the Canal Board to revert in future to the success which has attended the navigation of the canals during the past two years, since the abolition of the contract system of repairs and management. Although the business of 1870 was not as great as that in some preceding years, yet the freedom from breaks and disastrous detentions, and the general good management, were such as to restore confidence in canal navigation and bring to them this year, under the same good management, a traffic exceeding thus far that of any year since their construction.

Respectfully submitted.

E. HOWARD CROCKER,
*Division Engineer, Eastern Division.*

# TABLE No. 1.

*Showing the number and compensation of Engineers employed on the Eastern Division of the New York State Canals, together with incidental expenses from October 1st, 1870, to September 30th, 1871:*

REPAIRS ERIE CANAL.

| NAMES. | Rank. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|
| E. H. Crocker | Division engineer | $2,400 00 | $1,275 00 | |
| E. H. Crocker | Travel | | 366 62 | |
| Peter Hogan | Resident engineer | 2,000 00 | 1,100 00 | |
| Peter Hogan | Travel | | 434 00 | |
| | | | | $3,175 62 |
| | *Incidental Expenses.* | | | |
| | Postage and telegraph | | $107 16 | |
| | Stationery | | 164 50 | |
| | Miscellaneous | | 172 77 | |
| | | | | 444 43 |
| | Total Erie canal | | | $3,620 05 |

REPAIRS CHAMPLAIN CANAL.

| NAMES. | Rank. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|
| E. H. Crocker | Division engineer | $2,400 00 | $750 00 | |
| E. H. Crocker | Travel | | 245 14 | |
| Peter Hogan | Resident engineer | 2,000 00 | 625 00 | |
| Peter Hogan | Travel | | 245 00 | |
| | | | | $1,865 14 |
| | *Incidental Expenses.* | | | |
| | Postage and telegraph | | $18 59 | |
| | Miscellaneous | | 52 95 | |
| | | | | $71 54 |
| | Total Champlain canal | | | $1,936 68 |

REPAIRS BLACK RIVER CANAL.

| NAMES. | Rank. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|
| E. H. Crocker | Division engineer | $2,400 00 | $375 00 | |
| E. H. Crocker | Travel | | 71 04 | |
| Peter Hogan | Resident engineer | 2,000 00 | 275 00 | |
| Peter Hogan | Travel | | 95 96 | |
| | | | | $817 00 |
| | Total Black River canal | | | $817 00 |

IMPROVEMENT CHAMPLAIN CANAL.

| NAMES. | Rank. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| W. B. Cooper | Assistant engineer | 78 | $5 50 | $429 00 | |
| J. J. McLean | Office assistant | 79 | 4 00 | 316 00 | |
| David Evans | Office assistant | 129 | 3 00 | 387 00 | |
| G. W. Satterlee | Rodman | 50 | 3 00 | 150 00 | |
| G. W. Satterlee | Office assistant | 79 | 2 50 | 197 50 | |
| | | | | | $1,479 50 |
| | *Incidental Expenses.* | | | | |
| | Postage and telegraph | | | $29 54 | |
| | Office rent | | | 37 00 | |
| | Miscellaneous | | | 31 00 | |
| | | | | | 97 54 |
| | Total improvement Champlain | | | | $1,577 04 |

# TABLE No. 1—(*Continued*).

ENLARGEMENT CHAMPLAIN CANAL.

| NAMES. | Rank. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| W. B. Cooper | Assistant engineer | 129 | $6 00 | $774 00 | |
| S. E. Babcock | Assistant engineer | 129 | 6 00 | 774 00 | |
| H. K. Averill, Jr. | Assistant engineer | 123 | 5 00 | 615 00 | |
| R. J. Hilton | Assistant engineer | 105 | 5 00 | 525 00 | |
| R. J. Hilton | Assistant engineer | 74 | 4 50 | 333 00 | |
| B. H. Brevoort | Assistant engineer | 129 | 5 00 | 645 00 | |
| Stephen Thorne | Assistant engineer | 129 | 5 00 | 645 00 | |
| Isaiah Fuller | Assistant | 65 | 6 00 | 390 00 | |
| C. W. M. Johnson | Surveyor | 67 | 4 00 | 268 00 | |
| J. C. Laass | Draughtsman | 101 | 5 00 | 505 00 | |
| Charles Burrus | Draughtsman | 41 | 5 00 | 205 00 | |
| W. H. Newkirk | Leveler | 129 | 4 00 | 516 00 | |
| Edwin Hall | Leveler | 129 | 4 00 | 516 00 | |
| H. A. Smith | Leveler | 42 | 4 00 | 168 00 | |
| W. F. Potter | Rodman | 55 | 3 00 | 165 00 | |
| A. D. Robinson | Rodman | 55 | 3 00 | 165 00 | |
| N. B. Ward | Rodman | 118 | 3 00 | 354 00 | |
| J. W. Ingalls | Rodman | 5 | 3 00 | 15 00 | |
| G. H. Mariner | Chainman | 52 | 2 50 | 130 00 | |
| C. O. Green | Chainman | 55 | 3 00 | 165 00 | |
| M. J. Manning | Chainman | 118 | 3 00 | 354 00 | |
| W. E. Brown | Chainman | 67 | 3 00 | 201 00 | |
| Thomas O'Connor | Chainman | 67 | 3 00 | 201 00 | |
| G. C. Squires | Flagman | 55 | 2 50 | 137 50 | |
| John Pike | Flagman | 55 | 2 50 | 137 50 | |
| W. H. Hand | Flagman | 109 | 2 50 | 272 50 | |
| A. H. Holbrook | Flagman | 55 | 2 50 | 137 50 | |
| O. H. Moore | Axeman | 79 | 2 50 | 197 50 | |
| Martin Joyce | Axeman | 55 | 2 50 | 137 50 | |
| Martin Keiley | Axeman | 118 | 2 50 | 295 00 | |
| John Tate | Axeman | 55 | 2 50 | 137 50 | |
| G. A. Toole | Tapeman and axeman | 118 | 2 50 | 295 00 | |
| G. W. Wilson | Tapeman and axeman | 55 | 2 00 | 110 00 | |
| J. L. Woodin | Tapeman | 55 | 2 00 | 110 00 | |
| C. D. G. Waters | Tapeman | 55 | 2 00 | 110 00 | |
| James Langworthy | Tapeman | 55 | 2 00 | 110 00 | |
| C. H. Sherrill | Tapeman | 55 | 2 00 | 110 00 | |
| J. S. Robertson | Tapeman | 52 | 2 50 | 130 00 | |
| C. H. Bishop | Tapeman | 55 | 2 00 | 110 00 | |
| Leslie Smyth | Office assistant | 26 | 3 50 | 91 00 | |
| | | | | | $11,257 50 |
| | *Incidental expenses.* | | | | |
| | Stationery | ..... | ..... | $927 67 | |
| | Fuel | ..... | ..... | 62 67 | |
| | Office rent | ..... | ..... | 50 00 | |
| | Light | ..... | ..... | 5 60 | |
| | Miscellaneous | ..... | ..... | 2,731 86 | |
| | | | | | 3,777 80 |
| | Total Enlargement | ..... | ..... | ..... | $15,035 35 |

SAND LAKE RESERVOIR.

| | | | | | |
|---|---|---|---|---|---|
| S. E. Babcock | Assistant engineer | 30 | $6 00 | $180 00 | |
| R. J. Hilton | Assistant engineer | 30 | 5 00 | 150 00 | |
| R. J. Hilton | Assistant engineer | 53 | 4 50 | 238 50 | |
| C. L. Phelps | Assistant engineer | 22 | 5 00 | 110 00 | |
| M. H. Roberts | Leveler | 30 | 4 50 | 135 00 | |
| W. S. Lee | Leveler | 22 | 4 00 | 88 00 | |
| R. J. Kinney | Rodman | 30 | 4 00 | 120 00 | |
| N. B. Ward | Chainman | 22 | 3 00 | 66 00 | |
| J. D. Slingerland | Chainman | 30 | 3 00 | 90 00 | |
| Henry Studer | Axeman | 5 | 2 50 | 12 50 | |
| Stephen Kavanagh | Axeman | 9 | 2 50 | 22 00 | |
| Mike O'Hara | Axeman | 5 | 2 50 | 12 50 | |
| Charles Condry | Axeman | 10 | 2 50 | 25 00 | |
| William Skiller | Axeman | 11½ | 2 50 | 28 75 | |
| William Dolphin | Axeman | 2 | 2 50 | 5 00 | |
| | | | | | $1,283 75 |
| | *Incidental expenses.* | | | | |
| | Miscellaneous | ..... | ..... | ..... | 211 00 |
| | Total | ..... | ..... | ..... | $1,494 75 |

## TABLE No. 1—(*Continued*).

### EXTRAORDINARY REPAIRS ERIE CANAL.

| NAMES. | Rank. | No. of days. | Rate of compensation. | Amount. |
|---|---|---|---|---|
| John A. Cooper | Draughtsman | 313 | $5 00 | $1,565 00 |
| C. M. Thompson | Assistant in office | 313 | 5 00 | 1,565 00 |
| G. F. Oliver | Assistant engineer | 129 | 5 00 | 645 00 |
| G. M. Barnes | Assistant engineer | 287 | 6 00 | 1,722 00 |
| G. M. Barnes | Assistant engineer | 26 | 5 00 | 130 00 |
| R. D. Shepherd | Assistant engineer | 261 | 5 00 | 1,305 00 |
| S. E. Babcock | Assistant engineer | 101 | 5 50 | 555 50 |
| S. E. Babcock | Assistant engineer | 53 | 6 00 | 318 00 |
| M. H. Roberts | Draughtsman | 283 | 4 00 | 1,132 00 |
| R J. Cantwell | Assistant engineer | 10 | 4 50 | 45 00 |
| F. J. Harris | Rodman | 112 | 3 00 | 336 00 |
| P. J. Kinney | Leveler | 204 | 4 50 | 918 00 |
| P. J. Kinney | Leveler | 53 | 4 00 | 212 00 |
| W. H. Newkirk | Leveler | 184 | 4 00 | 736 00 |
| Jas. M. Ball | Rodman | 202 | 3 00 | 606 00 |
| W. S. Lee | Leveler | 178 | 4 00 | 712 00 |
| Samuel Moak | Leveler | 261 | 4 00 | 1,044 00 |
| Samuel Moak | Leveler | 52 | 3 50 | 182 00 |
| J. D. Slingerland | Rodman | 151 | 2 50 | 377 50 |
| Leslie Smyth | Office assistant | 73 | 3 50 | 255 50 |
| L. L. Lowell | Inspector | 181 | 4 00 | 724 00 |
| Stephen Thorne | Assistant engineer | 184 | 4 50 | 828 00 |
| Edwin Sears | Inspector | 52 | 4 00 | 208 00 |
| Alex. Robertson | Inspector | 191 | 4 00 | 764 00 |
| Edward Vaughn | Inspector | 313 | 4 00 | 1,252 00 |
| Tunis Cragier | Axeman | 84 | 2 50 | 210 00 |
| Garret Vischer | Tapeman | 89 | 2 50 | 222 50 |
| Joseph Boyer | Inspector | 102 | 4 00 | 408 00 |
| Isaac Thomas | Inspector | 87 | 4 00 | 348 00 |
| F. H. Walworth | Office assistant | 105 | 2 00 | 210 00 |
| L. L. Nichols | Assistant engineer | 10 | 8 00 | 80 00 |
| Horatio Seymour, Jr. | Tapeman | 18 | 3 00 | 54 00 |
| | Total Erie canal | | | $19,670 00 |

### EXTRAORDINARY REPAIRS CHAMPLAIN CANAL.

| | | | | |
|---|---|---|---|---|
| Geo. Cushing, Jr. | Assistant engineer | 313 | $5 00 | $1,565 00 |
| W. B. Cooper | Assistant engineer | 106 | 5 50 | 583 00 |
| R. J. Hilton | Assistant engineer | 51 | 4 50 | 229 50 |
| Dana Reed | Inspector | 313 | 4 00 | 1,252 00 |
| L. J. Carrington | Inspector | 6 | 3 50 | 21 00 |
| John Somers | Inspector | 30 | 4 00 | 120 00 |
| Roswell Durkee | Inspector | 36 | 4 00 | 144 00 |
| Geo. Dinsmore | Inspector | 28 | 4 00 | 112 00 |
| James Dempsey | Inspector | 102 | 4 00 | 408 00 |
| F. R. Osborn | Inspector | 46 | 4 00 | 184 00 |
| H. A. Smith | Inspector | 103 | 4 00 | 408 00 |
| George Dunn | Inspector | 76 | 5 00 | 380 00 |
| | Total Champlain canal | | | $5,406 50 |

### EXTRAORDINARY REPAIRS BLACK RIVER CANAL.

| | | | | |
|---|---|---|---|---|
| John A. Allen | Assistant engineer | 79 | $5 00 | $395 00 |
| | Total Black River canal | ..... | ..... | $395 00 |

## Summary of Table No. 1.

| NAME OF CANAL. | Engineering proper. | Incidentals. | Amounts. | Totals. |
|---|---|---|---|---|
| Repairs Erie | $3,175 62 | $444 43 | $3,620 05 | |
| Repairs Champlain | 1,865 14 | 71 54 | 1,936 68 | |
| Repairs Black River | 817 00 | ..... | 817 00 | |
| | | | | $6,373 73 |
| Improvement Champlain | 1,479 50 | 97 54 | $1,577 04 | |
| Enlargement Champlain | 1,283 75 | 211 00 | 1,494 75 | |
| Sand Lake reservoir | 11,257 50 | 3,777 80 | 15,035 30 | |
| | | | | 18,107 09 |
| Amount paid by division engineer | ..... | ..... | ..... | 24,480 82 |
| Extraordinary repairs Erie | 19,670 00 | ..... | $19,670 00 | |
| Extraordinary repairs Champlain | 5,406 50 | ..... | 5,406 50 | |
| Extraordinary repairs Black River | 395 00 | ..... | 395 00 | |
| Amount paid by Commissioner | ..... | ..... | $25,471 50 | |
| | | | | 25,471 50 |
| Total for engineering | ..... | ..... | ..... | $49,952 32 |

## TABLE No. 2.

*STATEMENT showing the length in miles, number of structures, estimated cost at contract prices, amount of work done for the fiscal year ending September* 30, 1871, *whole amount of work done, and work completed or settled, with the characteristic details of contracts existing upon the Eastern Division of the New York State Canals, for the fiscal year ending September* 30, 1871.

| Length in miles. | No. of structures. | CHARACTER OF WORK. | Estimated cost at contract prices. | Amount done during fiscal year ending Sept. 30, 1871. | Whole amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|---|
| | | EXTRAORDINARY REPAIRS ERIE CANAL. | | | | |
| | | *Work let by Canal Commissioners, Laws of* 1868. | | | | |
| .... | 1 | Rebuilding lock No. 2 | $30, 355 00 | $3, 440 00 | $4, 280 00 | $26, 075 00 |
| | | *Laws of* 1869. | | | | |
| .... | 1 | Iron side wall and bridge at Cohoes | 1, 401 00 | ..... | ..... | 1, 401 00 |
| .... | 1 | Sluice at Cohoes guard lock | 4, 274 86 | 4, 274 86 | 4, 274 86 | Settled. |
| .... | 1 | Wooden bridge at Ilion | 6, 440 00 | ..... | 5, 240 00 | 1, 200 00 |
| 0.30 | .... | Wall-bench and vertical wall at Utica | 13, 497 00 | ..... | 11, 180 00 | 2, 317 00 |
| .... | 1 | Upper lock at upper side cut, West Troy | 33, 260 00 | ..... | 1, 040 00 | 32, 220 00 |
| ... | 1 | Lower lock at upper side cut, West Troy | 33, 635 00 | 3, 360 00 | 4, 060 00 | 29, 575 00 |
| 5.50 | .... | Removing wall-bench, etc., from Port Schuyler to Lower Mohawk aqueduct | 185, 300 00 | 106, 780 00 | 185, 300 00 | |
| 3.75 | ... | Removing wall-bench, etc , from locks 43 to 45 | 68, 960 00 | 27, 240 00 | 68, 960 00 | |
| .... | 1 | Stone dam across Hudson river at Troy | 57, 140 00 | ..... | ..... | 57, 140 00 |
| 3.25 | .... | Removing wall-bench, etc., from lower aqueduct to lock No. 20 | 23, 405 00 | 11, 440 00 | 18, 540 00 | 4, 865 00 |
| | | *Laws of* 1870. | | | | |
| 2.75 | .... | Removing wall-bench, etc., from Canajoharie to Fort Plain | 19, 830 00 | 17, 180 00 | 17, 180 00 | 2, 650 00 |
| 2.90 | .... | Removing wall-bench, etc., from locks 40 to 41 | 21, 730 00 | 20, 260 00 | 20, 260 00 | 1, 470 00 |
| 2.75 | .... | Removing wall-bench, etc., from locks 41 to 42 | 20, 345 00 | ..... | ..... | 20, 345 00 |
| 0.21 | .... | Removing wall-bench, etc., on berme tow-path sides at Rome | 7, 580 43 | 7, 580 43 | 7, 580 43 | Settled. |
| .... | 1 | Removing wall-bench, etc., and constructing vertical wall on berme side in Utica | 3, 842 46 | 3, 842 46 | 3, 842 46 | Settled. |
| ... | 1 | Lengthening culvert at Frankfort | 817 76 | 817 76 | 817 76 | Settled. |
| .... | 1 | Cast iron arch truss bridge at Fonda street, Schenectady | 1, 206 50 | 1, 206 50 | 1, 206 50 | Settled. |
| .... | 1 | Cast iron arch truss bridge at Schuyler street, Utica | 1, 587 02 | 1, 587 02 | 1, 587 02 | Settled. |
| .... | 1 | Iron bridge across Big basin, at Utica, and improving Big basin | 6, 602 00 | ..... | ..... | 6, 602 00 |
| .... | 1 | Stone abutments for bridge one mile above Spraker's Basin | 1, 654 00 | ..... | ..... | 1, 654 00 |
| .... | 1 | Lengthening Schoharie creek dam | 28, 220 00 | 28, 220 00 | 28, 220 00 | |
| .... | 1 | Wrought iron tow-path bridge at Upper side cut, West Troy | 4, 317 00 | ..... | ..... | 4, 317 00 |
| | | *Laws of* 1871. | | | | |
| 0.19 | .... | Constructing 1,000 lineal feet of vert. wall in cement, and grouted, east of guard lock in Utica | 4, 268 00 | ..... | ..... | 4, 268 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0.15 | .... | Removing wall bench, etc., and constructing 800 lineal ft. vert. wall, in Utica, | $3,095 00 | ..... | ..... | $3,095 00 |
| 0.20 | .... | Removing wall-bench, etc., and constructing 1,100 lineal feet vertical wall at Rome. | 4,709 00 | ..... | ..... | 4,709 00 |
| 0.20 | .... | Removing wall-bench, etc., from lock 42 to 43 | 2,696 00 | ..... | ..... | 2,696 00 |
| .... | 1 | Iron road and tow-path bridge just above lock 18 | 4,807 20 | $4,807 20 | $4,807 20 | Settled. |
| | | Total under contract | $594,975 23 | $222,016 23 | $388,376 23 | $206,599 00 |
| | | *Work done by Canal Commissioners.* | | | | |
| 0.52 | .... | Oriskany feeder | $2,738 71 | $2,738 71 | $2,738 71 | |
| .... | 2 | Two farm bridges over and ditch adjacent to Rocky Rift feeder | 996 91 | 996 91 | 996 91 | |
| .... | 1 | Lengthening west abutment White street bridge, Cohoes | 586 48 | 586 48 | 586 48 | |
| .... | 1 | Removing original bottom at Finck's Basin | 2,923 19 | 2,923 19 | 2,923 19 | |
| .... | 1 | Improving canal on berme side at head of lock 39 | 1,379 15 | 1,379 15 | 1,379 15 | |
| | | *Work authorized by Canal Board and done under supervision of Division Engineer and Commissioner in charge.* | | | | |
| .... | 1 | Utilizing the feed water at lock 37 | 4,000 00 | 2,986 00 | 2,986 00 | $1,014 00 |
| | | Total not under contract | $12,624 44 | $11,610 44 | $11,610 44 | $1,014 00 |
| | | Total under and not under contract | $607,599 67 | $233,626 67 | $399,986 67 | $207,613 00 |

## EXTRAORDINARY REPAIRS—CHAMPLAIN CANAL.

| | | | | | | |
|---|---|---|---|---|---|---|
| | | *Work let by Canal Board, chap. 579, Laws of 1867.* | | | | |
| .... | 1 | Stone dam across the Mohawk at Cohoes (excess over wooden plan) | $50,000 00 | $50,000 00 | $50,000 00 | |
| | | *Work let by Canal Commissioners.* | | | | |
| .... | 1 | Dredging Whitehall basin | 34,260 00 | 10,460 00 | 34,260 00 | |
| | | *Laws of 1869.* | | | | |
| .... | 1 | Glen's Falls feeder lock (excess over old plan) | 10,000 00 | 10,000 00 | 10,000 00 | |
| .... | 1 | Saratoga dam (excess over wooden dam) | 27,000 00 | 27,000 00 | 27,000 00 | |
| .... | 1 | Vertical wall and stop-gate at Fort Edward | 9,735 10 | 9,735 10 | 9,735 10 | Settled. |
| | | *Laws of 1870.* | | | | |
| .... | 1 | Flynn's lock, enlarged size (excess over old plan) | 17,000 00 | 17,000 00 | 17,000 00 | Settled. |
| .... | .... | Vertical wall on berme and tow-path sides Glen's Falls feeder at Sandy Hill | 16,680 00 | 19,030 00 | 16,680 00 | |
| .... | 1 | Improvement at Waterford | 8,200 00 | 3,878 00 | 8,200 00 | |
| .... | 1 | Wrought-iron road and tow-path bridge at Fort Edward | 7,264 50 | 7,264 50 | 7,264 50 | Settled. |
| .... | .... | Improvement from south end guard lock above Schuylerville to Bullard's Bend, | 9,740 50 | ..... | ..... | 9,740 50 |
| | | *Laws of 1871.* | | | | |
| 0.80 | 2 | Two locks on enlarged size and section work connected at "Three locks" above Waterford | 23,520 00 | ..... | ..... | 23,520 00 |
| | | Total under contract | $213,400 10 | $145,367 60 | $180,139 60 | $33,260 50 |

TABLE No. 2 — (*Continued*).

| Length in miles. | No. of structures. | CHARACTER OF WORK. | Estimated cost at contract prices. | Amount done during fiscal year ending Sept. 30, 1871. | Whole amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|---|
| | | *Work done by Canal Commissioners.* | | | | |
| .... | 1 | Glen's Falls feeder dam | $25,000 00 | $25,000 00 | $25,000 00 | |
| .... | 1 | Stop gates at mouth of Glen's Falls feeder | 1,887 74 | 1,887 74 | 1,887 74 | |
| | | Total not under contract | $26,887 74 | $26,887 74 | $26,887 74 | |
| | | Total under and not under contract | $240,287 84 | $172,255 34 | $207,027 34 | $33,260 50 |
| | | EXTRAORDINARY REPAIRS—BLACK RIVER CANAL. | | | | |
| | | *Work let by Canal Board, chap. 579, Laws of 1867.* | | | | |
| .... | 1 | Improvement first level at Rome | $6,764 92 | $483 19 | $6,764 92 | Settled. |
| | | *Work let by Canal Commissioners, Laws of 1869.* | | | | |
| .... | 1 | Bridge over Black river at Parker's Landing | 20,960 00 | 10,240 00 | 20,960 00 | |
| .... | 1 | Bridge over Black River canal at Port Leyden | 1,105 63 | 545 63 | 1,105 63 | Settled. |
| .... | 1 | Iron bridge at Floyd street, Rome | 5,131 43 | 3,231 43 | 5,131 43 | Settled. |
| .... | 1 | Wooden bridge at Thomas street, Rome | 787 00 | ..... | ..... | $787 00 |
| | | *Laws of 1870.* | | | | |
| .... | 1 | Iron bridge at Schuyler street, Booneville | 1,678 00 | 1,678 00 | 1,678 00 | Settled. |
| .... | 1 | Iron bridge at Dominick street, Rome | 1,873 20 | 1,873 20 | 1,873 20 | Settled. |
| | | *Laws of 1871.* | | | | |
| .... | 1 | Iron bridge over Black River canal at Booneville | 915 00 | ..... | ..... | 915 00 |
| | | Total under contract | $39,215 18 | $18,051 45 | $37,513 18 | $1,702 00 |
| ... | 1 | | | | | |
| .... | 1 | *Work done by Canal Commissioners.* | | | | |
| | | Inserting cast-iron pipes at Woodhull reservoir | $19,363 18 | $19,363 18 | $19,363 18 | |
| | | Constructing Sand Lake reservoir | 5,505 23 | 5,505 23 | 5,505 23 | |
| | | Total not under contract | $24,868 41 | $24,868 41 | $24,868 41 | |
| | | Total under and not under contract | $64,083 59 | $42,919 86 | $62,381 59 | $1,702 00 |

| | | IMPROVEMENT—CHAMPLAIN CANAL. | | | | |
|---|---|---|---|---|---|---|
| | | *Work let by Canal Commissioners—Laws of* 1864. | | | | |
| 2.60 | .... | From Saratoga lock to Fort Miller lock | $7,134 25 | $794 25 | $7,134 25 | Settled. |
| 2.65 | .... | From Fort Miller lock to Moseskill lock | 17,104 80 | 1,104 80 | 17,104 80 | Settled. |
| 5.50 | .... | From Moseskill lock to Fort Edward lock | 103,487 21 | 20,247 21 | 103,487 21 | Settled. |
| 4.08 | .... | Section No. 2—Twelve-mile level | 55,927 89 | 7,867 89 | 55,927 89 | Settled. |
| 3.50 | .... | Section No. 3—Twelve-mile level | 62,847 26 | 9,407 26 | 62,847 26 | Settled. |
| | | *Laws of* 1869. | | | | |
| 4.00 | .... | Section No. 1—Twelve-mile level; raising and lining towing-path | ..... | ..... | ..... | |
| 5.50 | ... | Whitehall level | 22,118 90 | 13,946 90 | 22,118 90 | Settled. |
| | | Total improvement Champlain | $268,620 31 | $53,368 31 | $268,620 31 | |

## TABLE No. 3.

*STATEMENT showing amount of work done under supervision of the Engineer Department, on repairs under contract, and on extraordinary and miscellaneous repairs upon the Eastern Division of the New York State canals, for the fiscal year ending September 30th,* 1871.

ORDINARY REPAIRS — ERIE CANAL.

| Length in miles. | No. of structures. | CHARACTER OF WORK. | Estimated cost at contract prices. | Amount done during fiscal year ending September 30, 1871. | Whole amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|---|
| .... | 1 | Iron bridge at Fonda st., Schenectady (estimated cost of old plan chargeable).. | $1, 100 00 | $1, 100 00 | $1, 100 00 | Settled. |
| .... | 1 | Iron bridge at Schuyler st., Utica (estimated cost of old plan chargeable)..... | 971 00 | 971 00 | 971 00 | Settled. |
| .... | 1 | Dredging Albany basin..... | 61, 065 00 | 61, 065 00 | 61, 065 00 | |
| | | Total ..... | $63, 136 00 | $63, 136 00 | $63, 136 00 | |
| | | CHAMPLAIN CANAL. | | | | |
| .... | 1 | Stone dam at Cohoes (chargeable to repairs)..... | $132, 980 00 | $66, 540 00 | $132, 980 00 | |
| .... | 1 | Saratoga dam (chargeable to repairs as per engineer's estimate..... | 46, 754 00 | 2, 460 00 | 2, 460 00 | $44, 294 00 |
| .... | 1 | Glen's Falls feeder guard lock (chargeable to repairs)..... | 23, 935 35 | 1, 955 35 | 23, 935 35 | Settled. |
| .... | 1 | Flynn's lock (chargeable to repairs)..... | 32, 540 50 | 32, 540 50 | 32, 540 50 | Settled. |
| 0.80 | 2 | Two locks on enlarged size and section work connected at "Three locks" above Waterford (chargeable to repairs)..... | 39, 000 00 | ..... | ..... | 39, 000 00 |
| .... | 1 | Glen's Falls feeder dam (chargeable to repairs)..... | 17, 148 78 | 17, 148 78 | 17, 148 78 | |
| | | Total ..... | $292, 358 63 | $120, 644 63 | $209, 064 63 | $83, 294 00 |
| | | BLACK RIVER CANAL. | | | | |
| .... | 1 | Iron bridge at Dominick street, Rome (chargeable to repairs) ..... | $800 00 | $800 00 | $800 00 | Settled. |
| .... | 1 | Iron bridge at Booneville (chargeable to repairs) ..... | 800 00 | ..... | ..... | $800 00 |
| | | Total ..... | $1, 600 00 | $800 00 | $800 00 | $800 00 |

## Summary of Tables Nos. 2 and 3.

| NAME OF CANAL. | Estimated cost at contract prices. | Amount done during fiscal year ending Sept. 30, '71. | Whole amount done. | Am't remaining to be done. |
|---|---|---|---|---|
| Extraordinary repairs Erie..... | $607, 599 67 | $233, 626 67 | $399, 986 67 | $207, 613 00 |
| Extraordinary repairs Champlain.. | 240, 287 84 | 173, 255 34 | 207, 027 34 | 33, 260 50 |
| Extraordinary repairs Black River, | 64, 083 59 | 42, 919 86 | 63, 381 59 | 1, 702 00 |
| Total.. ..... | $911, 971 10 | $448, 801 87 | $669, 395 60 | $242, 575 50 |
| Ordinary repairs Erie..... | $63, 136 00 | $63, 136 00 | $63, 136 00 | |
| Ordinary repairs Champlain..... | 292, 358 63 | 120, 644 63 | 209, 064 63 | $83, 294 00 |
| Ordinary repairs Black River..... | 1, 600 00 | 800 00 | 800 00 | 800 00 |
| Total..... ..... | $357, 094 63 | $184, 580 63 | $273, 000 63 | $84, 094 00 |
| Improvement Champlain..... .. | $268, 620 31 | $53, 368 31 | $268, 620 31 | |
| Total..... | $268, 620 31 | $53, 368 31 | $268, 620 31 | |
| Grand total.... ..... ..... | $1, 537, 686 04 | $686, 750 81 | $1, 211, 016 54 | $326, 669 50 |

# MIDDLE DIVISION.

## ANNUAL REPORT OF M. S. KIMBALL, DIVISION ENGINEER, FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1871.

Hon. Van R. Richmond, *State Engineer and Surveyor:*

Sir.—I have the honor to present you the following report:

### Length of Completed Canals.

| | Miles. |
|---|---|
| Erie canal 68.58, navigable feeders 3.30 | 71.93 |
| Oneida Lake canal and feeder (old) | 7.00 |
| Oswego canal | 38.00 |
| Oneida river improvement | 20.00 |
| Seneca river towing-path | 5.75 |
| Baldwinsville canal and improvement to Jack's Reef | 12.50 |
| Cayuga and Seneca canal | 22.77 |
| Crooked Lake canal | 8.00 |
| Chemung canal and feeder | 39.00 |
| Cayuga inlet | 2.00 |
| Chenango canal | 97.00 |
| | 323.95 |

### Reservoirs and Feeders.

*For the Erie Canal.*—Erieville reservoir, 340 acres, 21½ feet deep; De Ruyter reservoir, 656 acres, 18½ feet deep; Cazenovia lake, 1,778 acres, 4½ feet deep; Skaneateles lake, 8,320 acres, 7 feet deep; Otisco lake, 2,200 acres, 10 feet deep; Owasco lake, 6,800 acres, 2½ feet deep; and Oneida, Cowasselon, Chittenango, Carpenter Brook, Jordan, Weedsport and Port Byron feeders.

*For the Chenango Canal.*—Madison Brook reservoir, 235 acres, 45 feet deep; Bradley Brook reservoir, 134 acres, 25 feet deep; Eaton Brook reservoir, 254 acres, 50 feet deep; Hatch's lake, 134 acres, 10 feet deep; Woodman's pond, 148 acres, 11 feet deep; Leland's pond, 173 acres, 8 feet deep; and Kingsley Brook reservoir, 113 acres, 20 feet deep.

## ENGINEERING DEPARTMENT.

The Middle Division has been in charge of M. S. Kimball, as Division Engineer, and Howard Soule, Jr., resident.

The following statement shows the total amount of work done during the fiscal year, the total cost of engineering, and the per centage of cost of same:

| NAME OF CANAL. | Work done. | Engineering. | Per centage. |
|---|---|---|---|
| Erie | $132,599 91 | $11,503 88 | 8.67 |
| Oswego | 157,808 13 | 5,491 85 | 3.48 |
| Chenango | 121,654 83 | 4,806 76 | 3.95 |
| Chenango Extension | 105,638 92 | 13,118 03 | 12.41 |
| Chemung | 99,415 01 | 4,997 68 | 5.03 |
| Crooked Lake | 67,943 63 | 2,656 61 | 3.91 |
| Cayuga and Seneca | 26,821 68 | 2,421 50 | 9.03 |
| Oneida Lake Enlargement | 21,280 00 | 3,689 02 | 17.33 |
| Total | $733,162 11 | $48,685 33 | 6.64 |

This shows a reduction of $280,394.87 on work done from last year, also a reduction in engineering expenses of $6,736.94. The per centage of cost of engineering, however, is raised 1.17, and comes from doing so much less work, while the engineering for it could not be correspondingly reduced.

## ERIE CANAL.

There has been $93,805 done on thirteen old contracts, $7,252.96 on five old contracts settled, $860 on two new contracts, and $1,235.54 on one new contract settled. There remains to complete the thirteen old contracts, $58,124.50, and the two new, $20,210. There has also been authorized miscellaneous work done as follows: $17,362.36 under repair contractors, $9,011.14 on change of plan, $1,450.45 by special law, and $1,622.46 through superintendents, making the total done for the fiscal year, $132,599.91, and the total remaining of work under contract, $78,334.50.

Last year I gave some facts relating to the long level, in which it was shown that navigation came near suffering for want of water. Now I have to report, for this year, that the Erieville reservoir was emptied on the first of October, the De Ruyter on the tenth of November, and the Cazenovia practically emptied on the twenty-first of November, there being no reservoir water proper, nothing but the flow of the natural stream. With this state of things, had not the bottoming been done from Syracuse east, as entered upon two winters ago, although not completed, there would have been very

serious detentions to navigation, without any possible means of relieving it temporarily or otherwise. As it was, with the new supply from the Oriskany, the level was uniformly down from four to twelve inches at Syracuse, and graded out, going east almost exactly corresponding with the new made bottom, showing that a supply was needed farther west. I would not only recommend and urge the completion of this bottoming, but urge the extending of it about half a mile farther east, or to the Manlius road crossing, there being deeper water for a long distance beyond. I will not stop here, but urge the immediate construction of a reservoir on the Butternut, above Jamesville, four miles from the canal, which is the nearest practicable point to Syracuse (six miles) in which one can be got. This was estimated to cost, exclusive of land damages in 1869, furnishing 1,102 cubic feet per minute, for sixty days, over the natural flow of the stream, $78,240. Again, in 1870, raised six feet higher, furnishing 1,989 cubic feet per minute at $85,000, and a more recent estimate, under a resolution of the Canal Board of August 5th, 1871, with an increased height of banks, but furnishing no more water, at $91,751, or $98,018, if built of stone. In my communication to the Canal Board, I said, "Were there no possible doubt about finding a good rock bottom, I should have only presented that report (stone), although it is in excess of the earth one, $7,000, on the score of less contingency in its future maintenance; as it is, I would recommend the letting of both, and build the one found best adapted to the place."

Chapter 767, Laws of 1870, appropriated $20,000 for widening locks 47 and 48 at Lodi. Chapter 778, Laws of 1871, reappropriated it to the same object and purpose, to be expended in such manner as the Board of Canal Commissioners shall direct. The locks are to be widened this winter, in the full belief that, although they will be larger than before, yet with the greater ease with which loaded boats will enter, losing nothing from swelling them in as now, that no more water will be used.

This has been fully demonstrated at lock 49, widened some years ago.

### Oswego Canal.

There has been $114,320 done on seven old contracts, $664.77 on three old contracts, and $6,563.60 on two new contracts settled. There remains to complete the seven old contracts, $130,094. There has also been authorized miscellaneous work done as fol-

lows: $3,917 on change of plans, and $32,342.76 by special laws, making the total done for the fiscal year $157,808.13, and the total remaining of work under contract $130,094.

The high dam was started last spring as soon as the water would allow, and has gone forward uninterruptedly till the water began to rise again this fall. The lockhead and bulkheads at the west end above the mill are completed and the spillway abutment partly built.

The twenty-foot crib work below the old apron, sunk to the rock in twenty feet of water, is in for about 300 feet from the west end and aproned over with whole timber sixty feet long. The finding of rock, and the necessity of founding the new work upon it, will swell the cost, as it adds to the estimate in digging down to it, and again in building up from it. Much has been done all the way in securing the old dam that will form no part of the new dam, but which contributes materially to swell the ultimate cost of it.

The Minetto dam is finished, and although it has been in hand and worked upon every year for four years, all of the difficulties have been surmounted, and it is now a complete and permanent structure, making the seventh of the new system of dams on the river.

### CHENANGO CANAL.

There has been $99,740 done on nine old contracts, $12,837.42 on three old contracts settled, and $5,440 on one new contract settled. There is one new contract on which nothing has been done. There remains to complete the nine old contracts $6,475.50, and the single new one $1,473. There has also been authorized miscellaneous work done as follows: $2,057 authorized by Canal Board, and $1,580.41 through superintendents, making the total done for the fiscal year $121,654.83, and the total remaining of work under contract $7,948.50.

Chapter 778, Laws of 1871, appropriates $15,000 "for removing old and inserting new feed pipes, and building waste-weir and spillway to Madison Brook reservoir." The old discharge was through two nine inch pipes, with one disabled and danger that the other might become so, or the whole break out and go away. The plan now is (on which the work is doing and will be completed this fall), to abandon the old pipes altogether and cover up the entrance, then put in two sixteen-inch pipes in a new location, under thirty-three feet head, which will take most of the water, proving pretty conclusively that the forty-five feet used in the old reports must

relate to the depth of the reservoir, and not to the available depth of water that may be drawn on the number of acres represented.

I apprehend now that all the reservoirs on this canal are given in this way, an error of some importance, as now no very reliable estimate can be made of the quantity of water stored without a measurement. It may never be very important for this canal, but should some of them hereafter become useful as exclusive feeders to the Erie, a knowledge of their capacity would be very necessary. This same thing cannot be said of the reservoirs on the Erie. The depth reported means the available depth of water to be drawn for the number of acres they cover.

Although there were eight locks rebuilt last winter, there are very many more now in equally as bad condition. I still remain of the opinion expressed last year, that many of them can be rewooded, just as the plan of their first construction contemplated they should be, and made to last a like term over again. Because the lining of a composite lock gets off from decay or otherwise and leaks, it does not follow that they must come down and be rebuilt in cement to make them tight again; rewood them properly and all will be well.

Several aqueducts, waste-weirs, culverts and many bridges, are in a deplorable condition for want of thorough overhauling and rebuilding.

## Cayuga and Seneca Canal.

There has been $17,091.50 done on five old contracts settled, and $8,520 on three new contracts. There remains to complete the three new contracts, $14,889.10. There has also been authorized miscellaneous work done under special law, $1,210.18; making the total done for the fiscal year, $26,821.68, and the total remaining of work under contract, $14,889.10.

Lock 3 at Seneca Falls, of which some fears were expressed last year, stands very well and may last many years as it is.

Chap. 877, Laws of 1869, reappropriated by chap. 778, Laws of 1871, provided $5,000 for taking out original material in the bottom of the river near Waterloo. The superintendent of repairs reports much of this material to be rock, which, if it is, will involve coffer damming and pumping to do the work. The work should be done, as, when Seneca lake gets low (as it has this season), it necessitates a reduction in the draft of boats to get over it. Most of the money has been expended on the other work and the appropriation should be increased to take out the rock.

It is in contemplation now to build a new stone dam at Waterloo another year, with waste gates adapted to taking off the high water and prevent the raising of Seneca lake unduly. This at the same time will be a benefit to the canal banks wherever before they have suffered from high water. Five thousand dollars appropriated by chap. 767, Laws of 1870, reappropriated by chap. 778, Laws of 1871 (together with $10,000 contingent upon not being wanted for its original purpose), has in this way been provided to do the work.

Five hundred dollars was also appropriated by chap. 930, Laws of 1871, to take out original bottom near Free Bridge. This has been done.

The work of protecting the berme bank along Seneca lake is now going on and will be completed this fall.

### CHEMUNG CANAL.

There has been $12,860 done on one old contract, $10,504.59 on three old contracts settled, and $2,260 on three new contracts. There remains to complete the one old contract, $3,715 and the three new, $10,759.20. There has also been authorized miscellaneous work done as follows: $5,983.66 by special law, $64,264.26 by repair contractor as a break account, and $3,542.50; making the total done for the fiscal year $99,415.01, and the total remaining of work under contract, $14,474.20.

Of the break in the dam at Gibson (April 19th, 1870), of which a minute account was given in the report of last year, it is only necessary now to say that it was completed late last fall upon the plan as described in that report, and that it has since remained a perfect structure.

The old style swing bridges at Second, Church, Fifth, Cross and Gray streets, Elmira, all want rebuilding on the Winckler plan. It has been suggested that neither for the purposes of the State, the boating interest or the interest of the people of Elmira, is there any longer any use for the canal upon which these bridges are, that the business that used to be done here has now gone to a new point. If this be true it may be better economy to fill it up to that extent rather than to perpetuate the cost of building and maintaining so many bridges.

### CROOKED LAKE CANAL.

There is one new contract, but upon which nothing has been done. It amounts to $1,691. There has been authorized miscellaneous

work done as follows: $5,478.91 under special laws, and $62,464.72 through superintendents, making the total done for the fiscal year $67,943.63, and the total remaining of work under contract $1,691.

On the contract for bottoming down the lake level, although let the 28th of March last, the contractor did nothing. The superintendent, however, did some bottoming, and some other work on the level that improved it somewhat, but the whole work wants to be done to provide against the low water of the lake.

There were six locks rebuilt last winter by the Canal Commissioner through the superintendent, included in the above statement, costing $10,108.57 each. The work was faithfully done, the walls are tight, and altogether present a good specimen of locks built on that plan. There are several others that are bad, but I apprehend many could be rewooded and made comparatively good at much less expense.

### Oneida Lake Canal.

With the small appropriation made last winter, the contractors were unwilling to go on with their work. The completion of the filling of the timber pier at the lake, the building of a road bridge and some other work very necessary to protect that already done, is all that has been secured. The report of last year for completing this canal was $100,000. I would not state it any less now, for the reason that the waste and decay of materials delivered, the running in of exposed banks and slope walls, and other changes on account of suspending the work, together with the cost of engineering, will quite absorb the appropriation of $25,000.

### Cayuga Inlet.

The amount ($15,000) appropriated by the Legislature of 1869, for constructing pier and dredging Ithaca inlet at the head of Cayuga lake has been expended and the contract settled.

Chapter 715 of the Laws of 1871 appropriates the further sum of $12,500 "for finishing the work and improvements at the head of Cayuga lake, to be expended under the direction of the Commissioner in charge."

The work has been let, and is now progressing, contemplating the extension of the pier two hundred feet, and dredging the inlet and harbor to make seven feet depth at lowest water.

EXPLANATION.

Table No. 1 is an exhibit in detail of the cost of engineering for all of the work done on the division during the fiscal year.

Table No. 2 shows the total work under contract, the amount done during the fiscal year, and the work remaining to be done on all the canals and works of the Middle Division.

Table No. 3 shows the amount of authorized work upon miscellaneous repairs under the supervision of the Engineer Department for the fiscal year.

Table No. 4 shows the work not under contract on all the canals and works of the Middle Division.

Respectfully submitted.

M. S. KIMBALL,
*Division Engineer Middle Division.*

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## EXTENSION OE THE CHENANGO CANAL.

W. S. KIMBALL, Esq., *Division Engineer:*

In my report for the fiscal year ending September 30, 1870, it is stated that orders had been given to suspend work in the preceding June, owing to the exhaustion of the small appropriation for this canal.

It was continued, however, for a short period on a few of the contracts, where the safety of the work required some additional time and labor.

After the suspension, operations were not again resumed until the following May, and after the appropriation was made by the Legislature of 1871.

In accordance with a provision of the law of last session, all of the expenditures during the past year have been confined to that portion of the canal embraced between the City of Binghamton and Owego. The work below Owego remains as reported in the preceding year.

As the last appropriation was not sufficient to complete all of the work between the points named, including the work through the city of Binghamton, directions were given to prosecute such portions of the canal as, in the unfinished state in which the suspension had left them, would be most liable to injury from the floods and ice of

the Susquehanna, the action of the weather and other causes, and which could be, as far as possible, completed under the appropriation.

It was also thought judicious to have the completed work in a continuous line from the river at Binghamton. A small temporary dam across the canal, near the upper end, now excludes the river during heavy freshets.

With these views work was commenced under the following contracts, namely: Sections numbers two, four, five, six and seven; locks numbers four and six; Choconut, Tracy and Apalachin aqueducts; and culverts on sections numbers one to twenty inclusive.

With the exception of section number two, and locks numbers four and six, on which at this date (December 1) but little remains to be done, all have been completed.

At this date (December 1), and since the close of the fiscal year, much additional work has been done. The Binghamton dam, and section number eighteen, are completed, and the work is progressing on the guard lock and feedway at Binghamton, and on the construction of farm and road bridges over the canal, nine of the latter being now completed.

A review of the work on December first shows that between Binghamton and Owego, twenty-two miles, the canal is completed, except very small portions of sections numbers one and two, and some repairs on sections which were completed several years since.

In the city of Binghamton there remains to complete the connection with that part of the canal in operation, a small portion of section number one, two locks on which some work has already been done, and three railroad bridges.

The guard lock and feedway at the south end of the dam is in progress and could be completed this winter.

A summary of table No. 2, for the fiscal year ending September 30, 1871, embracing all work under contract, or completed between Binghamton and the Pennsylvania State line, is as follows:

| | |
|---|---|
| Estimated cost at contract prices | $1,986,339 95 |
| Amount done during fiscal year | 105,638 92 |
| Total amount done | 1,483,037 01 |
| Amount remaining to be done | 503,302 94 |

| | |
|---|---|
| Work under contract and completed by table No. 2, | $1,986,339 95 |
| Work not under contract by table No. 4 ..... | 368,773 00 |
| Total ..... | $2,355,112 95 |
| Total amount done..... | 1,483,037 01 |
| Remaining to be done..... | $872,075 94 |

The total amount reported last year of work remaining to be done between Binghamton and the Pennsylvania State line, as per tables Nos. 2 and 4, is, in excess of this year, $34,331.55.

There has been done during the fiscal year, as stated above, $105,-638.92. This is mainly due to the increase in the aggregate of table No. 4, by the following items, which were not included in last year's report.

Owing to the frequent suspensons of the work, for want of funds and the small annual appropriation, many of the sections that were completed from time to time will now, after from three to five years of exposure and disuse, require repairs more or less extensive, which on the aggregate have been estimated, in table No. 4, at $33,000. In the city of Binghamton the canal is crossed by several lines of railroads, requiring bridges, the aggregate cost of which is estimated at $45,000. Farm and road bridges, which at the close of the fiscal year were not under contract, are reported in table No. 4 at $47,000. This increases the aggregate of table No. 4, $125,000.

The items in table No. 2 have in some cases been increased and in others decreased over last year, the difference showing a net increase of about $15,000. This was occasioned in some cases by the damage caused by floods, and the additional precautionary measures deemed advisable to guard against further injury to the works. It was also found necessary as the work progressed to remove more earth from the slopes in some of the heavier cuts in order to keep the canal open.

Additional lining was also necessary, and a retaining wall to prevent the sliding of a portion of one of the streets of Binghamton into the canal.

Table number 1 exhibits the engineer and incidental expenses, and amounts to $13,118.03, or $12\frac{41}{100}$ per cent of the work done during the fiscal year.

By resolution of the Canal Board after the suspension in June (passed in July and August) it became necessary to ascertain the

amount of the per centage retained by the State on the several contracts. This work, which required careful and exact measurements on all of the contracts between Binghamton and Owego, and below the latter point, which had been under prosecution, prevented as large a reduction of the engineer force as would otherwise have occurred; and as the contract work had stopped, the per centage of engineering expenses for the entire year to the other work was obviously increased.

It will be observed in comparison with the amount reported in the previous year that the cost of engineering is reduced 44⅓ per cent.

In closing I would state, as in my last report, that the loss incurred by depreciation and damage to the works during their suspension for want of funds; the importance of a speedy completion in order to connect with the coal fields of Pennsylvania, and reduce the cost of transportation on coal; the large amount of work already done; the comparatively small cost to finish the canal; and the loss of interest or earnings on the amounts already expended, are urged as strong reasons for a sufficient appropriation at the approaching session of the Legislature to speedily complete the remaining work, and particularly to bring into use that portion, now so nearly finished, comprised in the first thirty miles.

Very respectfully,

C. L. McALPINE,
*Resident Engineer.*

# TABLE No. 1.

*STATEMENT of Engineering upon Repairs of Middle Division of New York State Canals, together with Incidental Expenses for the Fiscal Year ending September 30th,* 1871.

## ERIE CANAL.

| NAME. | Rank. | No. of days. | Rate of compensation. | Amount. | Totals. |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary. | $2,400 00 | $600 00 | |
| M. S. Kimball | Division engineer | Travel. | | 210 00 | |
| Howard Soule, Jr | Resident engineer | Salary. | 2,000 00 | 725 00 | |
| Howard Soule, Jr | Resident engineer | Travel. | | 190 00 | |
| | | | | | $1,725 00 |
| | *Incidental Expenses.* | | | | |
| | Stationery | | | $200 91 | |
| | Postage, telegr'h & express | | | 262 32 | |
| | Fuel and light | | | 51 25 | |
| | Miscellaneous | | | 250 40 | |
| | | | | | 764 88 |
| | Total for Erie canal | | | | $2,489 88 |

## CAYUGA AND SENECA CANAL.

| | | | | | |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary | $2,400 00 | $155 00 | |
| M. S. Kimball | Division engineer | Travel. | | 75 00 | |
| Howard Soule, Jr | Resident engineer | Salary. | 2,000 00 | 300 00 | |
| Howard Soule, Jr | Resident engineer | Travel. | | 94 00 | |
| | | | | | $624 00 |
| | Total for Cay. & Sen. can'l | | | | $624 00 |

## CROOKED LAKE CANAL.

| | | | | | |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary. | $2,400 00 | $200 00 | |
| M. S. Kimball | Division engineer | Travel. | | 67 00 | |
| Howard Soule, Jr | Resident engineer | Salary. | 2,000 00 | 100 00 | |
| Howard Soule, Jr | Resident engineer | Travel. | | 27 00 | |
| | | | | | $394 00 |
| | *Incidental Expenses.* | | | | |
| | Stationery | | | $14 61 | |
| | | | | | 14 61 |
| | Total for Crooked Lake c'l | | | | $408 61 |

## CHEMUNG CANAL.

| | | | | | |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary. | $2,400 00 | $425 00 | |
| M. S. Kimball | Division engineer | Travel. | | 162 00 | |
| Howard Soule, Jr | Resident engineer | Salary. | 2,000 00 | 350 00 | |
| Howard Soule, Jr | Resident engineer | Travel. | | 99 00 | |
| | | | | | $1,036 00 |
| | *Incidental Expenses.* | | | | |
| | Stationery | | | $35 14 | |
| | Postage, telegr'h & express | | | 19 54 | |
| | | | | | 54 68 |
| | Total for Chemung canal | | | | $1,090 68 |

## TABLE No. 1—(*Continued*).

### OSWEGO CANAL.

| NAME. | Rank. | No. of days. | Rate of compensation. | Amount. | Totals. |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary. | $2,400 00 | $845 00 | |
| M. S. Kimball | Division engineer | Travel. | ..... | 348 96 | |
| Howard Soule, Jr. | Resident engineer | Salary. | 2,000 00 | 195 00 | |
| Howard Soule, Jr. | Resident engineer | Travel. | ..... | 61 32 | |
| | | | | | $1,450 28 |
| | *Incidental Expenses.* | | | | |
| | Stationery | ..... | ..... | $18 10 | |
| | Postage, tel. and express | ..... | ..... | 28 87 | |
| | Fuel and light | ..... | ..... | 6 60 | |
| | Miscellaneous | ..... | ..... | 25 00 | |
| | | | | | 78 57 |
| | Total for Oswego canal | ..... | ..... | ..... | $1,528 85 |

### CHENANGO CANAL.

| | | | | | |
|---|---|---|---|---|---|
| M. S. Kimball | Division engineer | Salary. | $2,400 00 | $175 00 | |
| M. S. Kimball | Division engineer | Travel. | ..... | 80 00 | |
| Howard Soule, Jr. | Resident engineer | Salary. | 2,000 00 | 330 00 | |
| Howard Soule, Jr. | Resident engineer | Travel. | ..... | 90 00 | |
| | | | | | $675 00 |
| | *Incidental Expenses.* | | | | |
| | Stationery | ..... | ..... | $42 86 | |
| | Postage, tel. and express | ..... | ..... | 10 90 | 53 76 |
| | Total for Chenango canal | ..... | ..... | ..... | $728 76 |
| | Total repairs mid. div'n. | ..... | ..... | ..... | $6,870 78 |

## TABLE No. 1—(*Continued*).

*STATEMENT of Assistants employed upon Ordinary and Extraordinary Repairs during the Fiscal Year ending September 30th,* 1871, *and paid by Canal Commissioner, under act, chapter* 447, *Laws of* 1865.

| NAME. | Canal. | No. of days. | Rate of compensation. | Amount. | Totals. |
|---|---|---|---|---|---|
| Denison Richmond | Erie | 313 | $5 00 | $1,565 00 | |
| W. D. Dunning | Erie | 20 | 5 00 | 100 00 | |
| M. J. Dolphin | Erie | 313 | 5 00 | 1,565 00 | |
| J. V. Norton | Erie | 93 | 5 00 | 465 00 | |
| E. L. Luddington | Erie | 79 | 4 50 | 355 50 | |
| E. L. Luddington | Erie | 234 | 4 00 | 936 00 | |
| George S. Field | Erie | 65 | 4 50 | 292 50 | |
| Barney Becker | Erie | 157 | 4 00 | 628 00 | |
| Alexander Evarts | Erie | 140 | 4 00 | 560 00 | |
| C. R. Breed | Erie | 105 | 4 00 | 420 00 | |
| J. V. Norton | Erie | 220 | 4 00 | 880 00 | |
| A. V. Meeker | Erie | 42 | 3 50 | 147 00 | |
| | | | | | $7,914 00 |
| B. J. Kimball | Oswego | 79 | 4 00 | $316 00 | |
| C. E. Smith | Oswego | 234 | 4 00 | 936 00 | |
| Joseph Wilbur | Oswego | 166 | 3 50 | 581 00 | |
| Isaac Thorp | Oswego | 158 | 3 00 | 474 00 | |
| C. R. Breed | Oswego | 129 | 4 00 | 516 00 | |
| H. H. Coats | Oswego | 236 | 4 50 | 1,062 00 | |
| George Briggs | Oswego | 26 | 3 00 | 78 00 | |
| | | | | | 3,963 00 |
| D. E. Whitford | Chemung and Crooked Lake | 313 | 5 00 | $1,565 00 | |
| Calvin Shelton | Chemung and Crooked Lake | 313 | 4 00 | 1,252 00 | |
| H. T. Beach | Chemung and Crooked Lake | 234 | 4 00 | 936 00 | |
| H. R. Wright | Chemung and Crooked Lake | 26 | 3 00 | 78 00 | |
| O. H. Wright | Chemung and Crooked Lake | 79 | 3 00 | 237 00 | |
| H. R. Wright | Chemung and Crooked Lake | 44 | 4 00 | 176 00 | |
| George E. Runyan | Chemung and Crookek Lake | 63 | 4 00 | 252 00 | |
| | | | | | 4,496 00 |
| John T. Herrick | Cayuga and Seneca | 254 | 5 00 | $1,270 00 | |
| H. T. Beach | Cayuga and Seneca | 79 | 4 00 | 316 00 | |
| L. H. Hopkins | Cayuga and Seneca | 47 | 4 50 | 211 50 | |
| | | | | | 1,797 50 |
| Wm. V. VanRensselaer | Chenango | 313 | 5 00 | $1,565 00 | |
| Charles A. Beach | Chenango | 100 | 5 00 | 500 00 | |
| Charles D. Smith | Chenango | 115 | 3 00 | 345 00 | |
| J. W. Clark | Chenango | 153 | 4 00 | 612 00 | |
| Warren Post | Chenango | 69 | 4 00 | 276 00 | |
| H. M. Race | Chenango | 175 | 4 00 | 700 00 | |
| A. J. Hackley | Chenango | 20 | 4 00 | 80 00 | |
| | | | | | 4,078 00 |
| H. R. Wright | Chemung | 79 | 3 00 | $237 00 | |
| O. H. Wright | Chemung | 155 | 3 00 | 465 00 | |
| D. P. Dey | Chemung | 158 | 4 00 | 632 00 | |
| George E. Runyan | Chemung | 49 | 4 00 | 196 00 | |
| Peter B. Russell | Chemung | 43 | 3 00 | 129 00 | |
| | | | | | 1,659 00 |
| | Total | ..... | ..... | ..... | $23,907 50 |

## TABLE No. 1—(*Continued*).

*STATEMENT of Engineering upon Construction of Oneida Lake Canal, together with Incidental Expenses, for the Fiscal Year ending September 30th,* 1871.

| NAME. | Rank. | No. of days. | Rate of compensation. | Amount. | Totals. |
|---|---|---|---|---|---|
| H. D Brockway | Leveler | 313 | $4 50 | $1,408 50 | |
| F. G. Kelsey | Rodman | 313 | 3 50 | 1,095 50 | |
| Simon L. Briggs | Axman | 313 | 2 50 | 782 50 | |
| H. C. Lower | Inspector | 79 | 3 50 | 276 50 | |
| | | | | | $3,563 00 |
| | *Incidental Expenses.* | | | | |
| | Stationery | | | $34.78 | |
| | Postage and telegraph | | | 9.67 | |
| | Office rent, fuel and light | | | 80.82 | |
| | Miscellaneous | | | 75 | |
| | | | | | 126 02 |
| | Total for On. Lake canal | | | | $3,689 02 |

## TABLE No. 1—(*Continued*).

*STATEMENT of Engineering upon Construction of Otisco Lake Reservoir, for the Fiscal Year ending September 30th,* 1871.

| NAME. | Rank. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| Charles A. Sweet | Assistant engineer | 220 | $5 00 | $1,100 | $1,100 00 |
| | Total for Otisco Lake res. | | | | $1,100 00 |

## TABLE No. 1—(*Continued*).

*STATEMENT of Engineering and Incidental Expenses upon the Extension of the Chenango Canal, for the Fiscal Year ending September 30th,* 1871, *as authorized by act, chapter* 185, *Laws of* 1864.

| NAME. | Rank. | No. of days. | Rate of compensation. | Amount. | Totals. |
|---|---|---|---|---|---|
| C. L. McAlpine | Resident engineer | Salary. | $2,000 00 | $2,000 00 | |
| C. L. McAlpine | Resident engineer | Travel. | | 417 90 | |
| O. F. Whitford | Assistant engineer | 313 | 5 50 | 1,721 50 | |
| T. Goodsell | Assistant engineer | 102 | 5 50 | 561 00 | |
| C. A. Beach | Assistant engineer | 26 | 5 50 | 143 00 | |
| J. S. Killaly | Draftsman | 156 | 4 50 | 702 00 | |
| J. S. Killaly | Assistant and draftsman | 157 | 5 00 | 785 00 | |
| F. Leach, Jr | Leveler | 313 | 4 50 | 1,408 50 | |
| G. S. Field | Leveler | 30 | 4 50 | 135 00 | |
| T. J. Bristol | Tapeman | 156 | 3 25 | 507 00 | |
| T. J. Bristol | Rodman | 157 | 4 00 | 628 00 | |
| F. Farrington | Tapeman | 102 | 3 25 | 331 50 | |
| J. S. Thorn | Flagman | 153 | 2 75 | 420 75 | |
| J. S. Thorn | Tapeman | 157 | 3 25 | 510 25 | |
| J. W. Clark | Tapeman | 14 | 3 25 | 45 50 | |
| J. W. Clark | Rodman | 79 | 4 00 | 316 00 | |
| L. L. Johnson | Axman | 138 | 2 50 | 345 00 | |
| J. Hanrahan | Axman | 6 | 2 50 | 15 00 | |
| H. Odell | Inspector | 105 | 4 00 | 420 00 | |
| C. H. Sweet | Inspector | 105 | 4 00 | 420 00 | |
| G. H. Sawyer | Inspector | 52 | 4 00 | 208 00 | |
| R. Botts | Inspector | 72 | 3 00 | 216 00 | |
| J. H. Decker | Superintendent of work | 18 | 5 00 | 90 00 | |
| | | | | | $12,346 90 |
| | *Incidental Expenses.* | | | | |
| | Labor | | | $35 75 | |
| | Stationery | | | 122 12 | |
| | Fuel | | | 82 18 | |
| | Light | | | 50 80 | |
| | Office rent | | | 354 00 | |
| | Postage and telegraph | | | 71 04 | |
| | Miscellaneous | | | 55 24 | |
| | | | | | 771 13 |
| | Total Chenango canal ex. | | | | $13,118 03 |

## SUMMARY OF TABLE No. 1.

| | |
|---|---|
| Engineering proper for the whole division | $6,870 78 |
| Engineering for repairs, ordinary and extraordinary | 23,907 50 |
| Engineering for the construction of the Oneida Lake canal | 3,689 02 |
| Engineering for the construction of Otisco Lake reservoir | 1,100 00 |
| Engineering for the Chenango canal extension | 13,118 03 |
| | $48,685 33 |

# TABLE No. 2.

*STATEMENT of Work under Contract upon the Middle Division of the New York State Canals, for the Fiscal Year ending September* 30, 1871.

ERIE CANAL.

| CHARACTER OF WORK. | Appropriation. | When let. | When to be completed. | Engineer's estimate. | Estimated cost at contract prices. | Amount done dur'g fiscal year. | Total am't done. | Amount remaining to be done. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| Otisco Lake reservoir | $42,000 | Oct. 1, 1868 | April 20, 1869 | $42,000 00 | $43,000 00 | $700 00 | $41,640 00 | $1,360 00 | |
| Improvement Owasco Lake outlet | 21,500 | July 22, 1868 | Jan. 1, 1869 | 21,500 00 | 16,461 45 | 3,561 45 | 16,461 45 | Settled. | |
| Raising berme bank near lock No. 50, | 10,000 | July 14, 1869 | Dec. 1, 1869 | 10,000 00 | 8,925 00 | 4,880 00 | 6,120 00 | 2,805 00 | |
| Filling packet boat basin at Syracuse, | 3,000 | July 14, 1869 | Dec. 1, 1869 | 3,000 00 | 3,000 00 | 1,340 00 | 2,400 00 | 600 00 | |
| Protecting highway, etc., at De Ruyter reservoir | 9,000 | July 14, 1869 | Dec. 1, 1869 | 9,000 00 | 8,425 00 | 3,320 00 | 7,380 00 | 1,045 00 | |
| Reb. iron b'ge at Warren st., Syra'e, | 20,000 | July 14, 1869 | Dec. 1, 1869 | 20,000 00 | 18,963 00 | 10,600 00 | 16,160 00 | 2,803 00 | |
| Rebuild. iron b'ge at Lock st., Syra'e, | 7,000 | July 14, 1869 | Dec. 1, 1869 | 7,000 00 | 8,660 00 | 1,080 00 | 8,660 00 | ..... | |
| Straight'ng Chittenango creek chan'l, | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Belongs to repair contract. |
| Remov. waste weir at Cowassalon ck., | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Belongs to repair contract. |
| Remov. wall-benches on Jord'n level, | 78,995 | April 7, 1870 | April 7, 1871 | 78,995 00 | 78,985 00 | 55,065 00 | 76,880 00 | 2,115 00 | Contract of Canal Com'r. |
| Remov. wall-benches on Syr'e level, | 30,000 | July 14, 1869 | April 1, 1870 | 30,000 00 | 30,000 00 | 12,140 00 | 29,440 00 | 560 00 | |
| Remov. wall-benches on Long level, | 28,000 | July 14, 1869 | April 1, 1870 | 28,000 00 | 28,000 00 | ..... | 14,640 00 | 13,360 00 | |
| Rebuild'g culvert near Burdick's b'ge, | 3,600 | Sept. 23, 1869 | April 1, 1870 | 3,600 00 | 3,380 82 | 360 82 | 3,380 82 | Settled. | |
| Well and receiver at discharge weigh-lock sewer | 11,000 | Sept. 23, 1869 | April 1, 1870 | 11,000 00 | 11,000 00 | ..... | ..... | 11,000 00 | Contract not perfected. |
| Bottoming down east of lock No. 47, | 45,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Given to repair contractor act chap. 877, Laws of 1869. |
| Inserting iron needle beams in bridge at Chittenango | 1,420 | Aug. 3, 1870 | Sept. 1, 1870 | 1,420 00 | 1,078 53 | 1,078 53 | 1,078 53 | Settled. | |
| Rebuilding of iron, turnpike bridge over feeder at Orville | 1,560 | Aug. 3, 1870 | Nov. 1, 1870 | 1,560 00 | 1,172 90 | 1,172 90 | 1,172 90 | Settled. | |
| Inserting iron needle beams in bridge Centreport | 1,500 | Aug. 3, 1870 | Sept. 1, 1870 | 1,500 00 | 1,079 26 | 1,079 26 | 1,079 26 | Settled. | |
| Slope wall on towing-path side Nine Mile Creek feeder | 6,000 | Aug. 3, 1870 | May 1, 1871 | 6,000 00 | 3,397 50 | 320 00 | 320 00 | 3,077 50 | |
| Overfall and paved waste at outlet, De Ruyter reservoir | 12,742 | Aug. 3, 1870 | Nov. 1, 1870 | 11,500 00 | 6,143 00 | ..... | ..... | 6,143 00 | |
| Raising Geddes road at Syracuse | 22,500 | Aug. 3, 1870 | Nov. 1, 1870 | 22,500 00 | 17,616 00 | 4,360 00 | 4,360 00 | 13,256 00 | |
| Bridges on repair section No. 9 | 1,900 | June 19, 1871 | Oct. 1, 1871 | 1,900 00 | 890 00 | 860 00 | 860 00 | 30 00 | Contract of Canal Com'r. |
| Vertical wall at Cuykendalls | 1,500 | Jan. 28, 1871 | April 25, 1871 | 1,500 00 | 1,235 54 | 1,235 54 | 1,235 54 | Settled. | |
| Remov'g wall-benches & substitut'g slope or vertical wall on Long level, | ..... | Jan. 28, 1871 | April 25, 1871 | 30,000 00 | 20,180 00 | ..... | ..... | 20,180 00 | |
| Total | ..... | ..... | ..... | $341,975 00 | $311,602 00 | $103,153 50 | $233,268 50 | $78,334 50 | |

# TABLE No. 2—(*Continued*).

## OSWEGO CANAL.

| CHARACTER OF WORK. | Appropriation. | When let. | When to be completed. | Engineer's estimate. | Estimated cost at contract prices. | Amount done dur'g fiscal year. | Total am't done. | Amount remaining to be done. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| Stone dam at Minetto, Oswego river, | $106,100 | Nov. 14, 1866 | Dec. 1, 1867 | $106,100 00 | $90,000 00 | $24,640 00 | $83,140 00 | $6,860 00 | Inc'd by Canal B'd $11,700. |
| High dam, Oswego river..... ..... | 72,000 | July 14, 1869 | Nov. 1, 1870 | 160,000 00 | 130,000 00 | 53,640 00 | 66,200 00 | 63,800 00 | |
| Bulkhead at Farwell's mill ... ..... | 4,000 | July 14, 1869 | April 1, 1870 | 4,000 00 | 3,756 35 | 336 35 | 3,756 35 | Settled. | |
| Deepening Oswego river at Oswego.. | 40,000 | July 14, 1869 | Dec. 1, 1869 | 41,500 00 | 36,600 00 | ..... | ..... | 36,600 00 | |
| Vertical wall on enlargem't sec. No. 4 | 4,000 | July 14, 1869 | April 1, 1870 | 4,000 00 | 4,500 00 | 660 00 | 4,440 00 | 60 00 | |
| Raising banks, etc., of Oswego canal, | 46,000 | July 14, 1869 | Dec. 1, 1869 | 46,000 00 | 38,570 00 | 13,020 00 | 25,180 00 | 13,390 00 | |
| Reb'ding docks on side cuts at Salina | 25,000 | July 14, 1869 | Dec. 1, 1869 | 25,000 00 | 19,750 00 | 7,840 00 | 17,240 00 | 2,510 00 | |
| Iron bridge at Division st., Syracuse, | 3,400 | July 27, 1869 | Dec 1, 1869 | 3,400 00 | 3,449 52 | ..... .. | 3,449 52 | Settled. | |
| Iron bridge at Bear st., Syracuse .... | 3,326 | Aug. 3, 1870 | Sept. 1, 1870 | ..... | ..... | ..... | ..... | ..... | Belongs to repair contract. |
| I'n b'ge at Durston's dry d'k, Syrac'e, | 600 | Aug. 3, 1870 | Sept. 1, 1870 | ..... | ..... | ..... .. | ..... | ..... | Belongs to repair contract. |
| Iron foot-bridge at Lodi st., Salina .. | 2,300 | Aug. 3, 1870 | Sept. 1, 1870 | ..... | ..... | ..... | ..... | ..... | Belongs to repair contract. |
| Iron bridge at Cold Spring ..... | 7,000 | July 14, 1869 | Dec. 1, 1869 | 7,000 00 | 4,948 42 | 328 42 | 4,948 42 | Settled. | |
| Culvert near Haskin's salt block below Salina..... | 21,620 | Feb. 4, 1870 | April 1, 1870 | 21,620 00 | 22,174 00 | 14,520 00 | 15,300 00 | 6,874 00 | |
| Iron bridge at Park street, Salina... | 4,400 | Jan. 28, 1871 | April 25, 1871 | 4,400 00 | 4,890 35 | 4,890 35 | 4,890 35 | Settled. | |
| Iron bridge at Mud lock .. ..... | 2,630 | Jan. 28, 1871 | April 25, 1871 | 2,630 00 | 1,673 25 | 1,673 25 | 1,673 25 | Settled. | |
| Total .... ..... .. ..... .. | ..... | ..... | ..... | $425,650 00 | $360,311 89 | $121,548 37 | $230,217 89 | $130,094 00 | |

## CHENANGO CANAL.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Reb'ding lock No. 105 changed to 110, | ..... | Oct. 16, 1865 | April 1, 1866 | $13,272 00 | $13,272 00 | $12,780 00 | $12,780 00 | $492 00 | |
| Reb'ding lock No. 106 changed to 101, | ..... | Oct. 16, 1865 | April 1, 1866 | 15,382 00 | 15,382 00 | 14,120 00 | 14,120 00 | 1,262 00 | |
| Rebuilding lock No. 107..... | ..... | Oct. 16, 1865 | April 1, 1866 | 15,203 00 | 15,203 00 | 15,120 00 | 15,120 00 | 83 00 | |
| Iron bridge at Genesee st., Greene .. | $5,000 | Sept. 23, 1869 | April 1, 1870 | 5,000 00 | 3,884 50 | ..... | ..... | 3,884 50 | Not built. |
| Swing-bridge at Main (Genesee) st., Greene ..... | ..... | Sept. 1, 1870 | Not dated..... | 2,543 00 | 2,543 00 | 2,543 00 | 2,543 00 | Settled. | Contract of Canal Comm'r. |
| Swing-bridge at Henry st., Bingham'n | 2,000 | July 1, 1870 | Sept. 15, 1870 | 2,000 00 | 1,998 25 | 1,998 25 | 1,998 25 | Settled. | Contract of Canal Comm'r. |
| Iron bridge at Court st., Binghamton, | 8,000 | Aug. 2, 1870 | Nov. 1, 1870 | 8,000 00 | 8,296 17 | 8,296 17 | 8,296 17 | Settled. | |
| Rebuilding lock No. 108 ..... | ..... | Dec. 10, 1870 | April 1, 1871 | 10,926 00 | 10,926 00 | 10,760 00 | 10,760 00 | 166 00 | Contract of Canal Comm'r. |
| Rebuilding lock No. 17 .. ..... | ..... | Nov. 26, 1870 | May 1, 1871 | 10,480 00 | 10,480 00 | 10,480 00 | 10,480 00 | ..... | Contract of Superintend't. |
| Rebuilding lock No. 27 .. ..... | ..... | Nov. 26, 1870 | May 1, 1871 | 13,030 00 | 13,030 00 | 12,760 00 | 12,760 00 | 270 00 | Contract of Superintend't. |
| Rebuilding lock No. 47 .. ... ..... | ..... | Nov. 26, 1870 | May 1, 1871 | 11,685 00 | 11,685 00 | 11,560 00 | 11,560 00 | 125 00 | Contract of Superintend't. |
| Rebuilding lock No. 51 ..... | ..... | Nov. 26, 1870 | May 1, 1871 | 12,353 00 | 12,353 00 | 12,160 00 | 12,160 00 | 193 00 | Contract of Superintend't. |
| Repair'g waste-weir repair sec. No. 1, | ..... | Mar. 12, 1871 | May 1, 1871 | 5,440 00 | 5,440 00 | 5,440 00 | 5,440 00 | Settled. | Contract of Superintend't. |
| Iron bridge at Bouckville. . ..... | 2,150 | July 6, 1871 | Sept. 1, 1871 | 2,150 00 | 1,473 00 | ..... | ..... | 1,473 00 | |
| Total .... ..... | ..... | ..... | ..... | $127,464 00 | $125,965 92 | $118,017 42 | $118,017 42 | $7,948 50 | |

## CAYUGA AND SENECA CANAL.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Rebuilding locks Nos. 2, 3, 9, 11 | $37,000 | July 14, 1869 | April 1, 1870 | $37,000 00 | $31,882 53 | $1,982 53 | $31,882 53 | Settled. |
| Dredging channel, etc., at Cayuga inlet at Ithaca | 15,000 | Sept. 23, 1869 | Sept. 1, 1870 | 12,000 00 | 11,050 84 | 7,770 84 | 11,050 84 | Settled. |
| Iron bridge at Ovid st., Seneca Falls | 7,090 | Sept. 23, 1869 | April 1, 1870 | 5,800 00 | 6,540 51 | 1,560 51 | 6,540 51 | Settled. |
| Swing bridge near lock No. 11 | 2,070 | March 8, 1870 | April 15, 1870 | 2,070 00 | 1,451 17 | 191 17 | 1,451 17 | Settled. |
| Protecting berme bank along shore Seneca lake | 10,000 | Aug. 4, 1871 | Nov. 1, 1871 | 9,000 00 | 9,000 00 | 6,960 00 | 6,960 00 | $2,040 00 |
| Iron needle beams in bridge at Seneca Falls | 2,500 | July 6, 1871 | Sept. 1, 1871 | 2,500 00 | 1,809 10 | 1,560 00 | 1,560 00 | 249 10 |
| Vertical wall at Seneca Falls | 5,600 | Nov. 25, 1870 | May 1, 1871 | 5,600 00 | 5,586 45 | 5,586 45 | 5,586 45 | Settled. |
| Extending pier 200 feet and dredging harbor at Ithaca | 12,500 | July 6, 1871 | Nov. 1, 1871 | 12,500 00 | 12,600 00 | ..... | ..... | 12,600 00 |
| Total | ..... | ..... | ..... | $86,470 00 | $79,920 60 | $25,611 50 | $65,031 50 | $14,889 10 |

## CHEMUNG CANAL.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Dredging from lock No. 1 to Seneca lake | $15,000 | Sept. 23, 1869 | Sept. 1, 1870 | $15,300 00 | $10,732 21 | $5,632 21 | $10,732 21 | Settled. |
| Cleaning out State ditch on farm of M. Sayre & Co. | 4,700 | July 14, 1869 | Dec. 1, 1869 | 4,700 00 | 4,367 90 | 847 90 | 4,367 90 | Settled. |
| Raising and extending breakwater at Watkins | 20,000 | Aug. 2, 1870 | Nov. 1, 1870 | 20,000 00 | 16,575 00 | 12,860 00 | 12,860 00 | $3,715 00 |
| Taking up old lock and constructing culvert, etc., at Elmira | 7,000 | Aug. 2, 1870 | Nov. 1, 1870 | 7,000 00 | 4,024 48 | 4,024 48 | 4,024 48 | Settled. |
| Bridge abutments at Watkins | 2,000 | June 19, 1871 | Sept. 1, 1871 | 2,000 00 | 2,280 00 | 2,260 00 | 2,260 00 | 20 00 |
| Extending breakwater and dredging harbor at Watkins | 15,000 | July 25, 1871 | Dec. 1, 1871 | 15,000 00 | 9,259 20 | ..... | ..... | 9,259 20 |
| Iron bridge at Havana | 2,000 | June 19, 1871 | Oct. 1, 1871 | 2,000 00 | 1,480 00 | ..... | ..... | 1,480 00 |
| Total | ..... | ..... | ..... | $66,000 00 | $48,718 79 | $25,624 59 | $34,244 59 | $14,474 20 |

## CROOKED LAKE CANAL.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Bottoming canal level at Penn Yan | $2,000 | Mar. 28, 1871 | April 25, 1871 | $2,000 00 | $1,691 00 | ..... | ..... | $1,691 00 |
| Total | ..... | ..... | ..... | $2,000 00 | $1,691 00 | ..... | ..... | $1,691 00 |

TABLE No. 2—(*Continued*).

*STATEMENT showing Engineer's Estimate, Estimated Cost at Contract Prices, Estimated Cost at Prices fixed under Laws of* 1869 *and* 1870, *Amount Done and Remaining to be Done, and Amount Done during Fiscal Year ending September* 30*th*, 1871.

ONEIDA LAKE CANAL.

| CHARACTER OF WORK. | Amount appropriated. | When let. | When to be completed. | Engineer's estimate. | Estimated cost at old contract prices from original estimated quantities. | Estimated cost at old contract prices from present estimated quantities. | Estimated cost at prices fixed by Canal Board and Board of Canal Commr'ers under Laws of '69 & '70. | Amount done during fiscal year. | Total amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|---|---|---|---|---|
| Section No. 1 | $371,153 47 | Dec. 18, 1867 | July 1, 1869 | ..... | $32,500 00 | $37,000 00 | $50,000 00 | ..... | $37,960 00 | $12,040 00 |
| Section No. 2 | | Dec. 18, 1867 | July 1, 1869 | ..... | 46,000 00 | 53,000 00 | 68,000 00 | $5,100 00 | 68,000 00 | ..... |
| Section No. 3 | | Dec. 18, 1867 | July 1, 1869 | $306,000 00 | 56,000 00 | 64,000 00 | 74,000 00 | 1,240 00 | 53,440 00 | 20,560 00 |
| Section No. 4 | | Dec. 18, 1867 | July 1, 1869 | ..... | 55,500 00 | 66,000 00 | 96,000 00 | 200 00 | 79,600 00 | 16,400 00 |
| Section No. 5 | | Dec. 18, 1867 | July 1, 1869 | ..... | 68,000 00 | 94,000 00 | 128,000 00 | 14,740 00 | 113,040 00 | 14,960 00 |
| Totals | ..... | ..... | ..... | ..... | $258,000 00 | $314,000 00 | $416,000 00 | $21,280 00 | $352,040 00 | $63,960 00 |

# TABLE No. 2 — (*Continued*).

## EXTENSION OF THE CHENANGO CANAL

| Length in chains. | CHARACTER OF WORK. | Appropriation. | When let. | When to be completed. | Engineer's estimate. | Estimated cost at contract prices. | Am't done during fiscal year. | Total amount done. | Amount remaining to be done. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|
| 62 | Section No. 1 | .... | June 22, 1865 | Sept. 1, 1866 | $7,878 89 | $7,878 89 | ..... | $7,878 89 | ..... | Canceled Oct. 1867. |
| .... | Section No. 1 | .... | July 29, 1868 | April 1, 1870 | 14,690 00 | 11,711 93 | ..... | 11,711 93 | ..... | Completed. |
| 33 | River bank or T. path section. | ... | July 14, 1869 | Nov. 1, 1870 | 9,318 31 | 9,318 31 | $458 31 | 9,318 31 | ..... | |
| 71 | Section No. 2 | .... | June 22, 1865 | Sept. 1, 1866 | 29,086 37 | 29,086 37 | ..... | 29,086 37 | ..... | Canceled Oct. 1867. |
| .... | Section No. 2 | ... | July 29, 1868 | April 1, 1870 | 63,000 00 | 62,274 60 | 3,422 44 | 50,242 44 | $12,032 16 | Relet. |
| 80 | Section No. 3 | .... | June 22, 1865 | Sept. 1, 1866 | 30,385 72 | 30,385 72 | ..... | 30,385 72 | ..... | Canceled Oct. 1867. [4 |
| .... | Section No. 3 | .... | July 29, 1868 | April 1, 1870 | 6,020 89 | 6,020 89 | ..... | 6,020 89 | ..... | Can. Nov. '69 & at. sec. |
| 80 | Section No. 4 | .... | June 22, 1865 | Sept. 1, 1866 | 40,523 61 | 40,523 61 | ..... | 40,523 61 | ..... | Canceled Oct. 1867. |
| .... | Section No. 4 | .... | July 29, 1868 | April 1, 1870 | 100,000 00 | 99,994 72 | 29,143 72 | 91,503 72 | 8,491 00 | Relet. |
| 90 | Section No. 5 | ... | June 22, 1865 | Sept. 1, 1866 | 57,485 02 | 57,485 02 | ..... | 57,485 02 | ..... | Canceled Oct. 1867. |
| .... | Section No. 5 | .... | July 29, 1868 | April 1, 1870 | 29,900 00 | 30,100 36 | 2,915 36 | 26,140 36 | 3,960 00 | Relet. |
| 90 | Section No. 6 | .... | June 22, 1865 | Sept. 1, 1866 | 39,227 81 | 39,227 81 | ..... | 39,227 81 | ..... | Canceled Oct. 1867. |
| .... | Section No. 6 | .... | July 29, 1868 | April 1, 1870 | 10,593 89 | 10,593 89 | ..... | 10,593 89 | ..... | Canceled June, 1869. |
| .... | Sections No. 6 and part of 7 | .... | July 14, 1869 | Nov. 1, 1870 | 45,880 00 | 45,288 87 | 23,388 87 | 40,688 87 | 4,600 00 | Relet. |
| 80 | Section No. 7 | .... | June 22, 1865 | Sept. 1, 1866 | 43,095 00 | 31,726 85 | ..... | 31,726 85 | ..... | Completed. |
| 80 | Section No. 8 | ... | June 22, 1865 | Sept. 1, 1866 | 21,185 00 | 29,626 93 | ..... | 29,626 93 | ..... | Completed. |
| 80 | Section No. 9 | .... | June 22, 1865 | Sept. 1, 1866 | 12,745 00 | 19,427 52 | ..... | 19,427 52 | ..... | Completed. |
| 80 | Section No. 10 | ... | June 22, 1865 | Sept. 1, 1866 | 6,692 62 | 6,692 62 | ..... | 6,692 62 | ..... | Canceled Oct. 1867. |
| .... | Section No. 10 | .... | July 29, 1868 | April 1, 1870 | 13,100 00 | 15,556 29 | ..... | 15,556 29 | ..... | Completed. |
| 76 | Section No. 11 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 30,650 00 | 28,048 89 | ..... | 28,048 89 | ..... | Completed. |
| 81 | Section No. 12 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 17,050 00 | 18,500 86 | ..... | 18,500 86 | ..... | Completed. |
| 80 | Section No. 13 | ... | Feb. 7, 1866 | Sept. 1, 1867 | 12,130 00 | 8,284 47 | ..... | 8,284 47 | ..... | Completed. |
| 80 | Section No. 14 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 13,080 16 | 13,080 16 | ..... | 13,080 16 | ..... | Canceled Oct. 1867. |
| .... | Section No. 14 | .... | July 29, 1868 | April 1, 1870 | 10,210 00 | 9,222 72 | ..... | 9,222 72 | ..... | Completed. |
| 80 | Section No. 15 | ... | Feb. 7, 1866 | Sept. 1, 1867 | 9,008 86 | 9,008 86 | ..... | 9,008 86 | ..... | Canceled Oct. 1867. |
| .... | Section No. 15 | .... | July 29, 1868 | April 1, 1870 | 10,850 00 | 6,939 80 | ..... | 6,939 80 | ..... | Completed. |
| 80 | Section No. 16 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 22,650 00 | 13,455 68 | ..... | 13,455 68 | ..... | Completed. |
| 82 | Section No. 17 | ... | Feb. 7, 1866 | Sept. 1, 1867 | 18,430 45 | 18,430 45 | ..... | 18,430 45 | ..... | Canceled Oct. 1867. |
| .... | Section No. 17 | .... | July 29, 1868 | April 1, 1870 | 25,700 00 | 13,946 98 | ..... | 13,946 98 | ..... | Completed. |
| 88 | Section No. 18 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 36,311 34 | 36,311 34 | ..... | 36,311 34 | ..... | Canceled Oct. 1867. |
| .... | Section No. 18 | ... | July 29, 1868 | April 1, 1870 | 46,098 00 | 46,098 00 | ..... | 46,098 00 | ..... | Canceled June, 1870. |
| 80 | Section No. 19 | ... | Feb. 7, 1866 | Sept. 1, 1867 | 10,650 00 | 11,280 50 | ..... | 11,280 50 | ..... | Completed. |
| 80 | Section No. 20 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 40,952 23 | 39,777 23 | ..... | 39,777 23 | ..... | Completed. |
| 80 | Section No. 21 | .... | June 15, 1866 | May 1, 1867 | 10,830 46 | 10,830 46 | ..... | 10,830 46 | ..... | Canceled Oct. 1867. |
| .... | Section No. 21 | ... | July 29, 1868 | April 1, 1870 | 44,700 00 | 44,320 94 | ..... | 44,320 94 | ..... | Completed. |

TABLE 2—(*Continued*).

| Length in chains. | CHARACTER OF WORK. | Appropriation. | When let. | When to be completed. | Engineer's estimate. | Estimated cost at contract prices. | Am't done during fiscal year. | Total amount done. | Amount remaining to be done. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|
| 79 | Section No. 22 | .... | June 15, 1866 | May 1, 1867 | $65,100 00 | $76,271 86 | ..... | $76,271 86 | ..... | Completed. |
| 85 | Section No. 23 | .... | June 15, 1866 | May 1, 1867 | 12,050 00 | 29,219 55 | ..... | 29,219 55 | ..... | Completed. |
| 79 | Section No. 24 | .... | June 25, 1866 | May 1, 1867 | 9,369 20 | 9,369 20 | ..... | 9,369 20 | ..... | Canceled. |
| ... | Section No. 24 | .... | Nov. 11, 1869 | Nov. 1, 1867 | 45,000 00 | 30,972 50 | ..... | ..... | $30,972 50 | Relet. |
| 82 | Section No. 25 | .... | June 15, 1866 | Nov. 1, 1870 | 3,426 79 | 3,426 79 | ..... | 3,426 79 | ..... | Canceled Oct., 1867. |
| .... | Section No. 25 | .... | Nov. 11, 1869 | May 1, 1867 | 22,000 00 | 9,512 00 | $14 65 | 2,534 65 | 6,977 35 | Relet. |
| 84 | Section No. 26 | .... | June 25, 1866 | Nov. 1, 1870 | 108,455 66 | 108,455 66 | ..... | 108,455 66 | ..... | Canceled Oct., 1867. |
| 80 | Section No. 27 | .... | June 15, 1866 | May 1, 1867 | 10,528 51 | 10,528 51 | ..... | 10,528 51 | ..... | Canceled Oct., 1867. |
| .... | Sections Nos. 26 and 27 | .... | Sept. 23, 1869 | May 1, 1867 | 73,000 00 | 64,402 00 | 122 48 | 15,162 48 | 49,239 52 | Relet. |
| 85 | Section No. 28 | .... | June 25, 1866 | Nov. 1, 1870 | 16,700 00 | 16,520 00 | ..... | ..... | 16,520 00 | Old contract. |
| 85 | Section No. 29 | .... | June 25, 1866 | May 1, 1867 | 10,910 01 | 10,910 01 | ..... | 10,910 01 | ..... | Canceled Oct., 1867. |
| 87 | Section No. 30 | .... | June 15, 1866 | May 1, 1867 | 5,005 28 | 5,005 28 | ..... | 5,005 28 | ..... | Canceled Oct., 1867. |
| .... | Sections Nos. 29 and 30 | ... | Nov. 11, 1869 | Nov. 1, 1870 | 24,000 00 | 16,370 00 | ..... | ..... | 16,370 00 | Relet. |
| 80 | Section No. 31 | .... | Feb. 11, 1870 | April 1, 1871 | 16,650 00 | 10,050 00 | ..... | ..... | 10,050 00 | |
| 80 | Section No. 32 | .... | Feb. 11, 1870 | April 1, 1871 | 17,200 00 | 10,886 00 | ..... | ..... | 10,886 00 | |
| 80 | Section No 33 | .... | Feb. 11, 1870 | April 1, 1871 | 19,200 00 | 10,107 00 | ..... | ..... | 10,107 00 | |
| 80 | Section No. 34 | .... | Feb. 11, 1870 | April 1, 1871 | 18,400 00 | 10,605 00 | ..... | ..... | 10,605 00 | |
| 80 | Section No. 35 | .... | Feb. 11, 1870 | April 1, 1871 | 23,600 00 | 12,574 00 | ..... | ..... | 12,574 00 | |
| 80 | Section No. 36 | .... | Feb. 11, 1870 | April 1, 1871 | 22,850 00 | 15,913 00 | ..... | ..... | 15,913 00 | |
| 115 | Section No. 37 | .... | Feb. 11, 1870 | April 1, 1871 | 25,950 00 | 15,353 00 | ..... | ..... | 15,353 00 | |
| 136 | Section No. 38 | .... | Feb. 11, 1870 | April 1, 1871 | 80,725 00 | 59,198 00 | ..... | ..... | 59,198 00 | |
| .... | Rais. t. pa. on sec.12,13,16,22,23 | .... | July 14, 1869 | Nov. 1, 1870 | 12,081 86 | 12,081 86 | 201 86 | 12,081 86 | ..... | |
| .... | Lock No. 1 | .... | June 22, 1865 | Sept. 1, 1866 | 1,933 78 | 1,933 78 | ..... | 1,933 78 | ..... | Canceled. |
| .... | Lock No. 2 | .... | June 22, 1865 | Sept. 1, 1866 | 2,376 90 | 2,376 90 | ..... | 2,376 90 | ..... | Canceled and aband. |
| .... | Lock No. 3 | .... | June 22, 1865 | Sept. 1, 1866 | 1,772 50 | 1,772 50 | ..... | 1,772 50 | ..... | Canceled. |
| .... | Locks Nos. 1 and 3 | .... | Nov. 11, 1869 | Nov. 1, 1870 | 31,730 00 | 35,694 00 | ..... | 2,823 40 | 32,870 60 | Relet. |
| .... | Lock No. 4 | ... | Feb. 7, 1866 | Sept. 1, 1867 | 4,457 34 | 4,457 34 | ..... | 4,457 34 | ..... | Canceled Oct., 1867. |
| .... | Lock No. 4 | ... | July 14, 1869 | Nov. 1, 1870 | 13,000 00 | 11,000 00 | 2,258 58 | 5,718 58 | 5,281 42 | Relet. |
| .... | Lock No. 5 | .... | Feb. 7, 1866 | Sept. 1, 1867 | 12,995 00 | 13,879 16 | ..... | 13,879 16 | ..... | Completed. |
| .... | Lock No. 6 | .... | July 14, 1869 | Nov. 1, 1870 | 20,000 00 | 13,000 00 | 4,270 85 | 10,010 85 | 2,989 15 | |
| ... | Locks Nos. 7 and 8 | .... | Sept. 23, 1869 | Nov. 1, 1870 | 31,000 00 | 23,879 00 | 1,749 19 | 10,449 19 | 13,429 81 | |
| .... | Choconut aqueduct | .... | Feb. 7, 1866 | Sept. 1, 1867 | 17,007 16 | 17,007 16 | ..... | 17,007 16 | ..... | Canceled Oct., 1867. |
| .... | Choconut aqueduct | ... | July 14, 1869 | Nov. 1, 1870 | 42,000 00 | 41,700 55 | 13,600 55 | 40,200 55 | 1,500 00 | Relet. |
| .... | Tracy aqueduct | .... | Feb. 7, 1866 | Sept. 1, 1867 | 30,000 00 | 35,918 05 | 1,480 00 | 35,918 05 | ..... | Completed. |
| .... | Apalachin aqueduct | .... | Feb. 7, 1866 | Sept. 1, 1867 | 35,000 00 | 32,198 76 | 3,758 76 | 30,698 76 | 1,500 00 | Can. Oct. 1867; rescind. |
| .... | Archibald aqueduct | .... | Nov. 11, 1869 | Nov. 1, 1870 | 15,000 00 | 9,097 00 | 41 60 | 1,481 60 | 7,615 40 | |
| .... | Culverts on sections 1 to 5 | .... | June 22, 1865 | Sept. 1, 1866 | 444 44 | 444 44 | ..... | 444 44 | ..... | Canceled Oct., 1867. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| .... | Culverts on secs. Nos. 6 to 10.. | .... | June 22, 1865.. | Sept. 1, 1866.. | 12,511 40 | 12,511 40 | ..... | 12,511 40 | ..... | Canceled Oct., 1867. |
| ... | Culverts on secs. Nos. 11 to 20. | .... | Feb. 7. 1866.. | Sept. 1, 1867.. | 17,738 85 | 17,738 85 | ..... | 17,738 85 | ..... | Canceled Oct., 1867. |
| .... | Culverts on secs. Nos. 1 to 20. | .... | July 29, 1868.. | April 1, 1870.. | 32,250 00 | 32,242 28 | 7,262 28 | 30,042 28 | 2,200 00 | Relet. |
| .... | Culverts on secs. Nos. 21 to 30. | .... | June 15, 1866.. | May 1, 1867.. | 55,000 00 | 52,843 00 | 533 56 | 39,913 56 | 12,929 44 | Old contract. |
| .... | Bridges on secs. Nos. 1 to 5... | .... | June 22, 1865.. | Sept. 1, 1866.. | 4,113 40 | 4,113 40 | ..... | 4,113 40 | ..... | Canceled. |
| .... | Bridges on secs. Nos. 6 to 10.. | .... | June 22, 1865.. | Sept. 1, 1866.. | 4,263 46 | 4,263 46 | ..... | 4,263 46 | ..... | Canceled. |
| .... | Bridges on secs. Nos. 1 to 10.. | .... | July 14, 1869.. | Nov. 1, 1870.. | 5,993 63 | 5,993 63 | 1,273 63 | 5,993 63 | ..... | Canceled. |
| .... | Bridges on secs. Nos. 11 to 23. | .... | July 14, 1869.. | Nov. 1, 1870.. | 13,592 53 | 13,592 53 | 3,252 53 | 13,592 53 | ..... | Canceled. |
| .... | Bridges on secs. Nos. 24 to 30. | .... | Nov. 11, 1869.. | Nov. 1, 1870.. | 28,000 00 | 17,369 00 | 3,074 41 | 3,454 41 | 13,914 59 | |
| .... | Bingha'n dam and guard lock, | .... | Nov. 11, 1869. | Nov. 1, 1870.. | 100,000 00 | 69,459 00 | 3,415 29 | 7,900 00 | 61,559 00 | |
| .... | Pea Island dam ..... | .... | Feb. 11, 1870.. | April 1, 1871.. | 75,000 00 | 53,665 00 | ..... | ..... | 53,665 00 | |
| | Total ..... | .... | ..... | .... .. ..... | $2,189,492 33 | $1,986,339 95 | $105,638 92 | $1,483,037 01 | $503,302 94 | |

# TABLE No. 3.

*STATEMENT of Authorized Work upon Miscellaneous Repairs under the supervision of the Engineering Department, for the Fiscal Year ending September 30th,* 1871.

ERIE CANAL.

| CHARACTER OF WORK. | How authorized. | Appropriation or engineer's estimate. | Amount done. | Amount paid. | Remarks. |
|---|---|---|---|---|---|
| Protecting banks on section 7 by refilling with brush and stone | By Commissioner upon change of plan | $5,367 60 | $6,372 80 | $5,367 60 | To refill with earth deducted. |
| Bottoming down east of lock No. 47. | Act chapter 877, Laws of 1869 | 5,000 00 | 408 80 | 408 80 | Earth above original bottom deducted. |
| Removing waste-weir and culvert and building aqeduct at Cowaselon | By Commissioner under repair contract | 3,671 20 | 6,086 62 | 3,671 20 | Materials furnished by State deducted. |
| Straightening Chittenango Creek channel | By Commissioner under repair contract | 2,374 40 | 2,374 40 | 2,374 40 | |
| Vertical wall between Salina and Warren Street bridges, Syracuse | By Commissioner under repair contract | 6,134 77 | 7,487 77 | 6,134 77 | Materials furnished by State deducted. |
| Vertical wall above lock No. 49, Syracuse | By Commissioner under repair contract | 1,413 57 | 1,413 57 | 1,413 57 | |
| Iron needle beams in bridges at Canastota and Durhamville | By Commissioner upon change of plan | 2,039 47 | 2,638 34 | 2,039 47 | Old structure deducted |
| Iron bridge at Oneida | By Canal Commissioner, chap. 67, Laws of 1870 | 1,041 65 | 1,041 65 | 1,041 65 | |
| Culvert under bridge embankment, Port Byron | By Canal Commissioner thro' superintendent | 1,622 46 | 1,622 46 | 1,622 46 | |
| | | | $29,446 41 | | |

OSWEGO CANAL.

| | | | | | |
|---|---|---|---|---|---|
| Iron bridge at Durston's dry dock, Syracuse | By Commissioner upon change of plan | $525 90 | $596 00 | $525 90 | Old structure deducted: |
| Iron bridge at Bear street Syracuse | By Commissioner upon change of plan | 3,056 28 | 3,321 00 | 3,056 28 | Old structure deducted. |
| Driving piles at Caughdenoy and Schroeppel | By Commissioner under chap. 767, Laws of 1870 | 4,026 17 | 4,026 17 | 4,026.17 | |
| Opening State ditch between Mud lock and Liverpool | By Commissioner under chap. 767, Laws of 1870 | 3,750 00 | 3,750 00 | 3,750 00 | |
| Repairing and strengthening berme bank at Horse Shoe dam | By Commissioner under chap. 767, Laws of 1870 | 11,451 00 | 11,451 00 | 11,451 00 | |
| Vertical wall on Syracuse level of Oswego canal | By Commissioner under chap. 767, Laws of 1870 | 9,202 59 | 9,927 59 | 9,202 59 | |
| Vertical wall near Bradley brook | By Commissioner under chap. 767, Laws of 1870 | 3,188 00 | 3,188 00 | 3,188 00 | |
| | | | $36,259 76 | | |

| | | | | | |
|---|---|---|---|---|---|
| **CHENANGO CANAL.** | | | | | |
| Bridge abutments at Jackson street, Greene | By Canal Commiss'r, through superintendent | $1,471 75 | $1,471 75 | $1,471 75 | |
| Moving superstructure from Genesee street | By Canal Commiss'r, through superintendent | 108 66 | 108 66 | 108 66 | |
| Iron bridge at Mitchell street, Norwich | By Canal Comm'r, authorized by Canal Board Dec. 8, 1870 | 2,057 00 | 2,057 00 | 2,057 00 | |
| | | | $3,637 41 | | |
| **CAYUGA AND SENECA CANAL.** | | | | | |
| Protecting banks, at Seneca Lake, Geneva | By Canal Commissioner, chap. 778, Laws of 1871 | $1,210 18 | $1,210 18 | $1,210 18 | |
| **CHEMUNG CANAL.** | | | | | |
| Repairing dam at Gibson | By Canal Commissioner, as a break | $64,264 26 | $64,264 26 | $64,264 26 | |
| Removing old bridge superstructure and building new stone abutments at Horseheads | By Canal Commissioner, chap. 578, Laws 1870 | 4,779 00 | 4,993 00 | 4,779 00 | Old structure deducted. |
| Transporting superstructure from Court street, Binghamton, and putting up at Horseheads | By Canal Commissioner, chap. 578, Laws of 1870 | 990 66 | 990 66 | 990 66 | |
| Protecting banks of Mill creek | By Canal Commiss'r, through superintendent | 2,090 00 | 2,090 00 | 2,090 00 | |
| Extra dredging below lock No. 1 | By Canal Commiss'r, through superintendent | 1,452 50 | 1,452 50 | 1,452 50 | |
| | | | $73,790 42 | | |
| **CROOKED LAKE CANAL.** | | | | | |
| Brush and stone protection to banks | By Canal Commissioner, chap. 778, Laws of 1871 | $2,800 00 | $2,800 00 | $2,800 00 | |
| Rebuilding locks No. 8, 9, 10, 11, 18, 19 | By Canal Commiss'r, through superintendent | 60,651 44 | 60,651 44 | 60,651 44 | |
| Bottoming down lake level at Penn Yan | By Canal Commiss'r, through superintendent | 1,813 28 | 1,813 28 | 1,813 28 | |
| Lengthening lake lock at Dresden | By Canal Commissioner, chap. 930, Laws of 1871 | 2,678 91 | 2,678 91 | 2,678 91 | |
| | | | $67,943 63 | | |

## TABLE No. 4.

*STATEMENT showing the Work not under Contract, Extension of Chenango Canal.*

| Character of work. | Engineer's estimates. |
|---|---|
| Section No. 18 | $16,000 |
| Repairing sections Nos. 8 to 17 and 19 to 23, inclusive | 17,000 |
| Four wooden locks, including guard lock | 91,573 |
| Wappasena aqueduct | 25,000 |
| Little Wappasena aqueduct | 20,000 |
| Ellis aqueduct | 25,000 |
| Culverts on sections Nos. 31 to 38, inclusive | 38,000 |
| Railroad bridges at Binghamton | 45,000 |
| Bridges, Binghamton to Owego | 47,000 |
| Bridges on sections Nos. 31 to 38, inclusive | 44,200 |
| Total | $368,773 |

*SUMMARY—Amount of Work done during the Fiscal Year.*

| CANAL. | Work under contract. | Work upon miscellaneous repairs. | Totals. |
|---|---|---|---|
| Erie, including Otisco Lake reservoir | $103,153 50 | $29,446 41 | $132,599 91 |
| Oswego | 121,548 37 | 36,259 76 | 157,808 13 |
| Chenango | 118,017 42 | 3,637 41 | 121,654 83 |
| Chenango extension | 105,638 92 | ..... | 105,638 92 |
| Chemung | 25,624 59 | 73,790 42 | 99,415 01 |
| Crooked Lake | ..... | 67,943 63 | 67,943 63 |
| Cayuga and Seneca | 25,611 50 | 1,210 18 | 26,821 68 |
| Oneida Lake (enlargement) | 21,280 00 | ..... | 21,280 00 |
| Total | $520,874 30 | $212,287 81 | $733,162 11 |

# WESTERN DIVISION.

## ANNUAL REPORT OF DANIEL RICHMOND, DIVISION ENGINEER WESTERN DIVISION NEW YORK STATE CANALS, FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1871.

DIVISION ENGINEER'S OFFICE, WESTERN DIVISION,
ROCHESTER, *September 30th*, 1871.

Hon. VAN R. RICHMOND, *State Engineer and Surveyor:*

SIR.—In pursuance of the regulations established for the Engineer Department, I herewith transmit my annual report of the Western Division of the New York State canals, for the fiscal year ending September 30th, 1871:

### LENGTH OF COMPLETED CANALS.

| | Miles. |
|---|---|
| Erie canal from east line of Wayne county to Buffulo | 148½ |
| Genesee Valley canal from Rochester to Millgrove | 113½ |
| Dansville branch of Genesee Valley canal | 11 |
| Total | 273 |

### NAVIGABLE FEEDERS.

| | Miles. |
|---|---|
| Genesee River feeder at Rochester | 2¼ |
| " " " " Oramel | ¾ |
| Total | 3 |

The canals on this division are supplied with water from the following sources:

### ERIE CANAL.

Lake Erie.
Tonawanda creek at Pendleton.
Oak Orchard creek at Medina.

Genesee Valley canal at Rochester.
Genesee river at Rochester.

## GENESEE VALLEY CANAL.

Allen's creek at Scottsville.
Genesee river at Mount Morris.
Canasaraga Creek feeder, two miles north of Dansville.
Mill creek at Dansville.
Wiscoy Creek feeder.
Genesee river at Oramel.
Rockville reservoir near Belfast.
Two branches of Black creek on Summit level.
Oil Creek reservoir on Summit level, two miles north of Cuba.
Champlain and Griffin creeks at Cuba.
Ischua feeder from Ischua creek at south end of Summit.
Oil Creek feeder at foot of lock No. 101.
Haskell creek on extension.
Dodge creek on extension at Portville.
Oswayo creek on extension south of Portville.
Allegany river at head of canal at Millgrove.

## ENGINEERING DEPARTMENT.

During the past fiscal year, this division has been under the charge of Daniel Richmond, as Division Engineer, and J. Nelson Tubbs as Resident Engineer. Table No. 1, hereto annexed, is a statement containing the names of engineers temporarily employed on this division for the fiscal year, both on ordinary and extraordinary repairs, together with an exhibit of the time of service, and rate of compensation of each.

Table No. 2, annexed, is an exhibit of the character and condition of the work under contract during the year, and table No. 3 makes a like exhibit of work of a miscellaneous character, done under the supervision of this department.

A considerable portion of the expenses included in table No. 1 were incurred on account of work done in making and revising plans, making measurements and supervising ordinary repairs.

The total amount of work done during the fiscal year on this division, under the supervision of this department, not including ordinary repairs, is as follows:

| | |
|---|---|
| Erie canal | $358,969.86 |
| Genesee Valley canal | 68,198.27 |
| Total | $427,168.13 |
| Total amount expended for engineering, on both ordinary and extraordinary repairs | $31,867.66 |

## ERIE CANAL.

### Ordinary Repairs.

That portion of the Erie canal on this division, known as superintendent's sections Nos. 12 and 13, has been kept in repair during the year by the State, through the agency of superintendents, while sections Nos. 10, 11 and 14 have remained in charge of repair contractors.

The contracts for keeping sections Nos. 10 and 11 in repair will expire on the first day of January next, while section No. 14 will not expire by its terms until a year later.

All of these sections have been kept in very excellent repair during the season, and since the repair of the Ox-bow break, navigation has been more uniform and uninterrupted than for many years previous. To maintain the prestige which a successful season's navigation has given the canals, and to still further invite and merit the confidence of shippers and boatmen, the thorough system of repairs inaugurated should be continued; the deposit in the prism thoroughly cleaned out as fast as practicable, by the use of steam dredges, or other appliances, working through the whole season, at points where navigation is most difficult, thus constantly improving the canal in the most thorough, and yet cheapest manner.

The only detention to navigation, of any magnitude or importance, was the great break through the towing path bank at the Ox-bow, about one mile west from Fairport, which occurred in the evening of the 28th of April, and was repaired, and water let in on the 8th of May. A large number of boats were already loaded, and on their way from Buffalo when the break occurred. It was felt at the time to be a severe blow to navigation, but as things have since developed, I believe that all are satisfied that the delay thus caused has resulted in little or no loss to forwarders or boatmen. I think no one can give the cause of the disaster. The bank at that point, although of considerable height (about thirty-five to forty feet) was

in appearance, and was believed to be one of the best on the canal. Watchmen were employed to patrol it frequently during the day and night, and nothing was discovered indicating danger previous to its destruction. Since the rebuilding of the bank, the outside slope has received a heavy covering of loose stone, and has remained in good condition during the season.

The navigation of each recurring season develops the necessity of important changes and improvements at various points on the canal, and which being in the nature of new work, or radical changes in old places, must be provided for year by year, and constructed as

## EXTRAORDINARY REPAIRS.

Of work of this character, the following contracts have been completed and settled during the year: Dredging Ohio basin, extending Black Rock pier, improving and widening canal, and constructing vertical walls between Erie and Commercial streets in Buffalo, raising and recoping Black Rock pier, improving and completing Main and Hamburgh Street canal, dredging channel around north end of Erie basin break-water, iron bridge over slip leading to river lock at Tonawanda, removing old warehouse foundation at Black Rock, reconstructing docking along channel leading to Niagara river from ship lock; iron bridges over Ohio basin slip, on Georgia street, Buffalo, at Orangeport, McCarty's, Mabees and Palmyra, wrought-iron swing bridge at Albion, and two iron bridges at Brockville and county line, inserting iron needle beams in bridges at Ferry, Genesee, Prime, Michigan and Washington streets, Buffalo, in two bridges in Clyde, three in Lyons, two in Newark, one in Palmyra, one at Macedon, and one at Port Gibson, also at Comstock, Adams, and Millards streets at Lockport, Hindsburgh and Shelby street, Medina, sidewalks on Fulton street in Buffalo, timber bridge over waste-weir channel near Cartersville, vertical walls at Pendleton, Shelby basin, Eagle Harbor, Reynale's basin, and between third and fourth locks east of Rochester, additional sluice culvert in town of Lockport, stop gate between Deep Hollow culvert and Wide Water ditch to drain lands of Thomas McGuire, improving channel way and discharge culvert of Thomas creek, and constructing and testing steam canal dredge.

The present condition of a large number of other contracts of greater or less importance is fully set forth in Table No. 2.

The work of removing old bench walls between Lyons and Lockville is so far progressed that it is hoped that the work below water

may be fully completed by the opening of navigation next spring. The large amount of work progressing in that locality, for doubling locks and other work, has prevented an earlier completion.

The masonry in new Black Rock guard lock is nearly completed, and there is some work remaining to be done at the head and foot of same to complete the contract.

The masonry of the three locks at Lockville is pretty well advanced toward completion, except a short portion of each wall at the head, which will be finished during the suspension of navigation, and the gates inserted, and the lock brought into use. A large amount of material has been delivered at the several locks, and some of the lock pits have been excavated.

It has been found impossible to procure the large amount of dressed stone required for doubling the locks with the rapidity desired, from the difficulty experienced in procuring a sufficient number of stonecutters, there being a large demand for that class of skilled labor. The stone is principally obtained from quarries at Waterloo and Split Rock. Arrangements have been made which render it probable that all of the locks will be completed and brought into use one year from next spring.

The work of improving and deepening narrow canal in Black Rock harbor is in progress, and will be vigorously forwarded during the coming winter. As yet, no work has been done under the contract for protecting canal against the encroachments of Lake Erie.

Act chapter 348, Laws of 1871, provided for the construction of a swing bridge over the Erie canal on Buffalo street, in the city of Rochester, to be placed on the line of said street, and also for the construction of a bridge over Erie canal to connect Munger and Averill streets in said city. Act chapter 930, Laws of 1871, appropriated $20,000 for the said work. I am satisfied that the said sum is entirely inadequate for the purpose, and that from the peculiar situation of the canal at that point, that such a modification of the law should be made as will allow the swing bridge to be placed at or nearly at right angles with the canal, so that it may swing either way, and so that it may accommodate the travel on Caledonia avenue, and that bridge be also dispensed with, in which case it is believed the appropriation already made will be sufficient to defray all the expenses to be incurred, except the cost of the land necessary to connect the two streets. Act chapter 930, Laws of 1871, also

provides for constructing a vertical wall on the north side of the Main and Hamburgh Street canal, between Louisiana and Hamburgh streets, in the city of Buffalo, and appropriates $10,000 therefor. My estimate of the cost of the work between those points is more than double the amount appropriated, and I deem it inexpedient to involve the State in the expense of constructing expensive coffer-dams and bailing a portion of the work, when about the same expense would coffer-dam and bail the whole of it, if the appropriation made was sufficient to complete. At the same time, the very terms of the act, it is believed, debar the Canal Commissioners from letting the work until a sufficient appropriation is made to complete same in full.

### WORK RECOMMENDED TO BE DONE.

Act chapter 767, Laws of 1870, appropriated the sum of $80,000 for the purpose of improving the narrow canal in Black Rock harbor. The work is now in progress on the general plan of making an independent canal channel of not less than 120 feet width from the Buffalo and Niagara Falls railroad bridge to the Erie mill at Lower Black Rock, a distance of 10,500 feet, by the construction of a crib and earth division bank for that distance between the canal and Harbor. The importance of this work is set forth at length in my report of last year, and also in the report of the Canal Commissioner of the Western Division for same year at pages 200 and 201. The estimated cost of the whole work is $350,000. There should be appropriated the present winter at least $125,000, so that the work may progress during the next summer, as it is extremely difficult to dredge and prepare the bottom and to sink and fill the cribs late in season after the weather has become inclement and high winds prevalent.

I respectfully recommend the substitution of three iron pipes of twenty-four-inch bore in place of the timber culvert on the three-mile level east of Brighton. This culvert carries under the canal the drainage of a large extent of country, and consequently has to be of considerable capacity. The present structure is of timber, which will soon decay. It is a diving culvert, and necessarily so much below the surface of the surrounding land that when any accident or leakage occurs it is the occasion of much difficulty, expense and delay to coffer dam to bail and repair it. The culvert is also placed in a material which it is very difficult to make tight, and on several

occasions, since its construction, breaks have occurred around it, causing great inconvenience and detention. The pipes proposed can be placed near the bottom of the canal, and thus rendered accessible, and can, at the same time, be easily made secure. I estimate the expense of this improvement at $8,000.

The old waste weir on Lock Berlin level has given out, and is entirely destroyed in consequence of its being originally located in low, swampy ground. The material in old structure should be all removed, and a new waste weir constructed about 500 feet distant therefrom, on solid formation near the high grounds on the berme side. I estimate the expense of the work at $3,500.

The present stone box sewer under the Genesee River feeder, at Rochester, has, for many years, been a source of difficulty. The covering is so near the bottom of the feeder, that high water in the Genesee river bursts through the sewer into the feeder, and when the river subsides leaves a passage from feeder into the river. I recommend that a cast-iron pipe of twenty-four inch bore be substituted for same, at an estimated cost of $3,000.

I respectfully recommend the construction of vertical walls on both sides of the canal at Lockville, in the short reaches between the locks, at an estimated expense of $25,000.

The levels between the lower and middle, and middle and upper locks at that place, are short and extremely crooked, and it is important that the whole water way which can be obtained be made available, especially so when the new locks are brought into use, and both locks at same time in operation, as they probably will be next season. I recommend that the berme abutment of Arcadia road bridge at the foot of middle lock at Lockville, be set back about fifteen feet, so that free access may be had into the berme lock. It now sets so far into the channel as to be an obstruction to navigation, when the berme lock shall be brought into use. This work will also involve the erection of a new bridge, which should be of iron, the present superstructure being of wood, and having been erected many years ago, would soon have to be rebuilt under any circumstances; the estimated cost of improvement is $5,000.

In the construction of the Erie canal at east end of the new aqueduct, in the city of Rochester, the line was located so close along South St. Paul street that the street had to be supported by a high wall for a considerable distance, the grade of the street being over twenty feet above bottom of the canal; a wooden protection railing

has always been maintained by the State, on this wall. The railing is now decayed and must be replaced with new. I respectfully recommend that an iron railing be substituted at an estimated expense of $1,000.

The cost of doubling the locks on this division was originally estimated by me at $526,000. By act, chap. 877, Laws of 1869, $200,000 was appropriated, and by act, chap. 767, Laws of 1870, $200,000 was also appropriated, leaving still to be provided for the sum of $126,000, which sum should be appropriated during the present winter.

There should also be appropriated the sum of $1,000 to pay for work done and still to be done in changing line of canal, and protecting same at high clay bluff west of Rochester.

I estimate that there will be required for changing plans of bridges on this division, from wood to iron, the sum of $35,000.

There is now a waste weir in the old canal, at the east end of the Rochester aqueduct, which at times is useful, but does not draw the water to canal bottom, as the discharge is intercepted by the mill-race between it and the river; the surface of water in said race is higher than the bottom of the canal. For various reasons not now necessary to enumerate, the Canal Board have authorized the abandonment of the old canal at that point, which necessitates the removal of the present waste weir, and the construction of a new and permanent one through the north wall of the aqueduct, and also the construction of a cement wall across the said old canal.

The Canal Board have by resolution adopted the above described plans for the work, and requested the Legislature to make an appropriation of $4,700, to pay the cost of the work. This sum should be provided for this winter, as the work must be completed previous to the opening of navigation next spring.

## GENESEE VALLEY CANAL.

### ORDINARY REPAIRS.

All the repair sections have been under the control of, and the repairs made by superintendents during the year. It has been kept in excellent order, and navigation has been uninterrupted.

The slide bank at Portage has stood well, and no trouble has been experienced at that point, although it has been deemed advisable to do considerable work there, to still further secure the same. The various works which have been in progress for several years, for the

purpose of securing a supply of water for the summit, having been perfected previous to the opening of navigation, the canal has reaped the benefit of this foresight; and although we have had one of the driest seasons ever known in that locality, yet an abundant supply has been obtained from the source above named, to keep up navigation through the whole season, with the single exception of the Dansville side cut. Much credit is due the officers in charge, who have carefully husbanded the water from all sources, as at times during the season almost the whole supply south of Mount Morris has been obtained from the Cuba reservoir.

### Extraordinary Repairs.

Since the date of my last report, nearly all the important work embraced under this head has been completed, especially that portion of the work looking to supplying this canal with water. No more work has been done, however, under the contract for deepening the north end of the Summit level; the Legislature having passed a bill for the relief of the contractor, the act containing a provision authorizing the Canal Board to cancel the contract, if they deem it for the best interest of the State to do so.

Several iron bridges have been let and will be constructed previous to the opening of navigation next spring.

### Work Recommended to be Done.

A considerable portion of the eighth ward of the city of Rochester is debarred from effectual drainage by the Genesee Valley canal, and as a consequence, a large amount of surface drainage goes of necessity into the canal. It is important that a culvert be constructed under said canal at such point as will best furnish outlet sewerage from that ward; the estimated expense is $2,200.

The Genesee Valley canal is now well supplied with water, except the Dansville side cut, which, during the dry season has a very insufficient supply, and navigation cannot at all times be maintained. I repeat my recommendation of last year, on pages 83 and 84 of the report of the State Engineer and Surveyor, that Loon Lake be used as a reservoir for that purpose; the estimated cost is $10,000.

Of about forty-five miles of the Genesee Valley canal, there are no maps showing State boundaries, structures, etc., in any of the departments. I earnestly urge the importance that final surveys of the same be made at the earliest moment; the estimated cost is $3,000.

### FINAL SURVEYS.

The balance of the final surveys for the Erie canal from Black Rock to and through the city of Buffalo, were completed last winter, as contemplated, and the maps have mostly been plotted. The amount expended for that purpose during the year, is $2,057.52. I cannot too earnestly urge the necessity of making a final survey of the remaining forty-five miles of the Genesee Valley canal, of which there are no maps in any of the departments. It is a source of endless annoyance and difficulty to those in charge of the canal, and to adjacent owners, as there is no authoritative source where boundaries between the State and private parties can be obtained ; and the necessity which often arises to furnish maps of portions of the canal for the information of the Legislature, the Canal Board, and Canal Appraisers, involves a special survey at the points required, often producing great inconvenience to parties, and delays vexatious to all concerned.

## RECAPITULATION OF APPROPRIATIONS RECOMMENDED TO BE MADE.

### ERIE CANAL.

| | |
|---|---|
| Continuing the work of constructing division bank, and widening, deepening, and otherwise improving the canal in Black Rock Harbor | $125,000 |
| Constructing iron pipe culvert in place of timber, under canal on three mile level, in Brighton | 8,000 |
| Constructing new waste weir on Lock Berlin level, in lieu of one destroyed | 3,500 |
| Iron pipe sewer in place of box sewer, under Genesee River feeder, near Rochester | 3,000 |
| Vertical walls on both sides of canal at Lockville, in the short reaches between the locks | 25,000 |
| Setting back berme abutments of, and constructing iron in place of wood bridge at Lockville | 5,000 |
| Iron protection railing on high wall between South St. Paul street and canal, in the city of Rochester | 1,000 |
| Completing the doubling the locks on Western Division | 126,000 |
| To pay for work done and still to be done in changing line of canal, and protecting same at high clay bluff west of Rochester | 1,000 |
| For changing plans of bridges on Western Division | 35,000 |
| Constructing a waste weir through north wall of aqueduct at Rochester, and cement wall across old canal at east end of said aqueduct | 4,700 |

### Genesee Valley Canal.

| | |
|---|---|
| Iron pipe culvert under canal in city of Rochester..... | 2,200 |
| Making outlet for Loon lake, and so discharge the waters as to make them available as a feeder for the Dansville side cut canal..... | 10,000 |
| Final survey and maps for that part of canal for which there are no maps on file..... | 3,000 |

Respectfully submitted.

DANIEL RICHMOND,
*Division Engineer, Western Division.*

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## TABLE No. 1.

*STATEMENT showing Name, Number of Days and Compensation of Engineers upon the Repairs of the Western Division of the New York State Canals, together with Incidental Expenses during the Fiscal Year ending September 30th,* 1871, *under act, chap.* 169, *Laws of* 1863.

ERIE CANAL—REPAIRS.

| NAMES. | Nature of service. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| Daniel Richmond ..... | Division engineer ..... | Salary .. | $2,400 00 | $1,600 00 | |
| Daniel Richmond ..... | Division engineer ..... | Travel .. | 6c. per m. | 425 70 | |
| J. Nelson Tubbs ..... | Resident engineer ..... | Salary .. | 2,000 00 | 1,333 32 | |
| J. Nelson Tubbs..... | Resident engineer ..... | Travel .. | 6c. per m. | 220 20 | |
| | | | | | $3,579 22 |
| *Incidental Expenses.* | | | | | |
| Stationery ..... | | | | $271 95 | |
| Fuel, light and office rent..... | | | | 622 78 | |
| Postage and telegraph ..... | | | | 178 14 | |
| Miscellaneous ..... | | | | 416 50 | |
| | | | | | 1,489 37 |
| Total for Erie canal..... | | | | ..... | $5,068 59 |

GENESEE VALLEY CANAL—REPAIRS.

| | | | | | |
|---|---|---|---|---|---|
| Daniel Richmond ..... | Division engineer ..... | Salary .. | $2,400 00 | $800 00 | |
| Daniel Richmond ..... | Division engineer ..... | Travel .. | 6c. per m. | 410 58 | |
| J. Nelson Tubbs.... ... | Resident engineer .... ... | Salary .. | 2,000 00 | 666 68 | |
| J. Nelson Tubbs ..... | Resident engineer ..... | Travel .. | 6c. per m. | 160 56 | |
| | | | | | $2,037 82 |
| *Incidental Expenses.* | | | | | |
| Stationery ..... | | | | $132 76 | |
| Fuel, light and office rent..... | | | | 284 25 | |
| Postage and telegraph .. ..... | | | | 97 02 | |
| Micellaneous ..... | | | | 179 22 | |
| | | | | | 693 25 |
| Total for Genesee Valley canal .. ..... | | | | ..... | $2,731 07 |

RECAPITULATION.

| | |
|---|---|
| Erie canal..... | $5,068 59 |
| Genesee Valley canal ..... | 2,731 07 |
| Total..... | $7,799 66 |

## TABLE No. 1.—(*Continued*).

*STATEMENT showing the Assistants temporarily employed on Ordinary Repairs during the Fiscal Year ending September 30th,* 1871, *and paid by the Canal Commissioner.*

ERIE CANAL—ORDINARY REPAIRS.

| NAMES. | Nature of service. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| L. L. Nichols (water sur.) | Assistant engineer | 51 | $6 00 | $306 00 | |
| George Arnolds | Assistant engineer | 39 | 6 00 | 234 00 | |
| J. Fred. Behn | Assistant engineer | 21 | 5 50 | 115 50 | |
| Thos. Evershed | Assistant engineer | 6 | 5 50 | 33 00 | |
| John Bisgood | Draughtsman | 18 | 5 50 | 99 00 | |
| A. W. Barrett | Leveler | 15 | 4 00 | 60 00 | |
| N. E. Storey | Rodman | 5 | 4 00 | 20 00 | |
| R. B. McFarlin | Chainman | 53 | 3 25 | 172 25 | |
| Edward Baily | Axeman | 16 | 2 00 | 32 00 | |
| M. N. Hutchinson | Axeman | 6 | 2 00 | 12 00 | |
| S. H. Oviatt | Inspector | 5⅓ mos. | 60 00 | 320 00 | |
| | | | | | $1,403 75 |

GENESEE VALLEY CANAL—ORDINARY REPAIRS.

| | | | | | |
|---|---|---|---|---|---|
| H. V. B. Barker | Assistant engineer | 127 | $5 50 | $698 50 | |
| George Arnolds | Assistant engineer | 27 | 6 00 | 162 00 | |
| Byron Holley | Assistant engineer | 24 | 5 50 | 131 00 | |
| | | | | | $991 50 |

RECAPITULATION.

| | |
|---|---|
| Erie canal | $1,403 75 |
| Genesee Valley canal | 991 50 |
| Total | $2,395 25 |

## TABLE No. 1 — (*Continued*).

*STATEMENT showing the Assistants temporarily employed on Extraordinary Repairs during the Fiscal Year ending September 30th,* 1871, *and paid by Canal Commissioner.*

ERIE CANAL — EXTRAORDINARY REPAIRS.

| NAMES. | Nature of service. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| J. Fred. Behn | Assistant engineer | 295 | $5 50 | $1, 622 50 | |
| Byron Holley | Assistant engineer | 252 | 5 50 | 1, 386 00 | |
| George Arnolds | Assistant engineer | 213 | 6 00 | 1, 278 00 | |
| F. F. Curry | Assistant engineer | 137 | 5 50 | 753 50 | |
| Thomas Evershed | Assistant engineer | 26 | 5 50 | 143 00 | |
| John Bisgood | Draughtsman | 232 | 5 50 | 1, 276 00 | |
| R. V. Arnolds | Draughtsman | 216 | 3 50 | 816 50 | |
| L. Gardner | Leveler and surveyor | 133 | 5 00 | 665 00 | |
| A. W. Barrett | Leveler | 230 | 4 00 | 920 00 | |
| N. E. Storey | Rodman | 90 | 3 50 | 315 00 | |
| R. B. McFarlin | Rodman | 153 | 3 25 | 497 25 | |
| John Spaulding | Rodman | 20 | 3 00 | 60 00 | |
| E. A. Judd | Chainman | 313 | 3 00 | 939 00 | |
| Byron Holley, Jr. | Tapeman | 24 | 2 50 | 60 00 | |
| Edward Rigney | Axeman | 10 | 2 00 | 20 00 | |
| L. H. Spencer | Inspector | 236 | 5 00 | 1, 180 00 | |
| John Hausle | Inspector | 313 | 4 00 | 1, 252 00 | |
| R. S. Patterson | Inspector | 112 | 3 50 | 391 50 | |
| M. Schuster | Inspector | 22 | 3 50 | 77 00 | |
| A. H. Towar | Inspector | 139 | 3 00 | 417 00 | |
| J. H. Boulton | Inspector | 90 | 3 00 | 270 00 | |
| George Talbot | Inspector | 77 | 3 00 | 231 00 | |
| Alexander Gray | Inspector | 24 | 3 00 | 72 00 | |
| Jesse Bumpus | Inspector | 92 | 2 50 | 230 00 | |
| W. H. Cornes | Inspector | 52 | 2 50 | 130 00 | |
| Augustus Davis | Inspector | 34 | 2 50 | 85 00 | |
| Alanzo Reid | Inspector | 29 | 2 50 | 72 50 | |
| P. R. Terry | Inspector | 53 | 2 50 | 132 00 | |
| J. B. Ransom | Inspector | 49 | 3 00 | 147 00 | |
| Edmund O'Grady | Inspector | 2 m. 8 da. | 60 00 | 136 00 | |
| S. H. Oviatt | Inspector | ⅔ mo. | 60 00 | 40 00 | |
| | | | | | $15, 614 75 |

## TABLE No. 1—(*Continued*).

*STATEMENT showing the Assistants temporarily employed on Extraordinary Repairs during the Fiscal Year ending September 30th,* 1871, *and paid by Canal Commissioner.*

GENESEE VALLEY CANAL—EXTRAORDINARY REPAIRS.

| NAMES. | Nature of service. | No. of days. | Rate of compensation. | Amount. | Total. |
|---|---|---|---|---|---|
| H. V. B. Barker | Assistant engineer | 238 | $5 50 | $1,319 00 | |
| Byron Holley | Assistant engineer | 66 | 5 50 | 363 00 | |
| George Arnolds | Assistant engineer | 86 | 6 00 | 516 00 | |
| F. F. Curry | Assistant engineer | 34 | 5 50 | 187 00 | |
| John Bisgood | Draughtsman | 63 | 5 50 | 346 50 | |
| R. V. Arnolds | Draughtsman | 97 | 3 50 | 357 50 | |
| L. Gardner | Leveler and surveyor | 180 | 5 00 | 900 00 | |
| N. F. Comstock | Leveler | 16 | 5 00 | 80 00 | |
| A. W Barrett | Leveler | 68 | 4 00 | 272 00 | |
| R. B. McFarlin | Rodman | 54 | 3 25 | 175 00 | |
| N. E. Storey | Rodman | 24 | 3 25 | 78 00 | |
| J. Spaulding | Rodman | 40 | 3 00 | 120 00 | |
| G. G. Russell | Chainman | 79 | 3 00 | 237 00 | |
| Edward Rigney | Axeman | 72 | 2 00 | 144 00 | |
| H. V. B. Barker, Jr. | Axeman | 67 | 2 00 | 134 00 | |
| Alexander Gray | Inspector | 56 | 3 00 | 168 00 | |
| M. W. Cole | Inspector | 86 | 2 70 | 236 00 | |
| W. Sickles | Inspector | 50 | 2 50 | 125 00 | |
| S. H. Oviatt | Inspector | 5 mos. | 60 00 | 300 00 | |
| | | | | | $6,058 00 |

RECAPITULATION.

| | |
|---|---|
| Erie canal | $15,614 75 |
| Genesee Valley canal | 6,058 00 |
| Total | $21,672 75 |

## SUMMARY OF TABLE No. 1,

*Showing Engineering Expenses for Fiscal Year ending September 30th,* 1871.

| NAME OF CANAL. | Engineer'g proper. | Incidental expenses. | Amount. | Total. |
|---|---|---|---|---|
| Repairs proper, Erie canal | $3,579 22 | $1,489 37 | $5,068 59 | |
| Repairs proper, Genesee Valley canal | 2,037 82 | 693 25 | 2,731 07 | |
| | | | | $7,799 66 |
| Repairs ordinary, Erie canal | 1,403 75 | ..... | $1,403 75 | |
| Repairs ordinary, Genesee Valley canal | 991 50 | ..... | 991 50 | |
| | | | | 2,395 25 |
| Repairs extraordinary, Erie canal | 15,614 75 | ..... | $15,614 75 | |
| Repairs extraordinary, Genesee Valley canal | 6,058 00 | ..... | 6,058 00 | |
| | | | | 21,672 75 |
| Total | | | | $31,867 66 |

# TABLE No. 2.

*STATEMENT showing Character of Work, Estimated Cost at Engineer's and Contract Prices, the amount done during the Fiscal Year ending September 30th, 1871, and the amount remaining to be done on work under contract on the Western Division.*

ERIE CANAL.

| CHARACTER OF WORK. | Engineer's estimate with engineering and contingencies added. | Estimated cost at contract prices. | Amount done during fiscal year. | Total amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|
| Dredging Ohio basin | $18,000 00 | $17,979 53 | $339 53 | $17,979 53 | Settled. |
| Extending Black Rock pier | 10,000 00 | 8,800 00 | 3,000 00 | 8,800 00 | Settled. |
| Deepening and improving narrow canal in Black Rock harbor | 78,000 00 | 78,000 00 | 3,600 00 | 3,600 00 | $74,400 00 |
| Improving and widening canal and constructing vertical wall between Erie and Commercial streets, Buffalo | 30,000 00 | 28,896 35 | 28,896 35 | 28,896 35 | Settled. |
| Protecting canal against encroachments of Lake Erie | 75,000 00 | 75,000 00 | ..... | ..... | 75,000 00 |
| Raising and re-coping Black Rock pier | 10,000 00 | 9,480 34 | 780 34 | 9,480 34 | Settled. |
| Extending, raising and strengthening division bank at Lower Black Rock | 5,000 00 | 5,000 00 | 1,700 00 | 1,700 00 | 3,300 00 |
| Improving and completing Main and Hamburg Street canal | 15,000 00 | 13,822 80 | 2,818 52 | 13,822 80 | Settled. |
| Dredging channel around north end Erie Basin breakwater | 17,500 00 | 16,881 99 | 2,741 99 | 16,881 99 | Settled. |
| Removing deposit from Black Rock harbor | 30,000 00 | 30,000 00 | 11,900 00 | 21,460 00 | 8,540 00 |
| Removing abutments and superstructure of old bridge and constructing new iron bridge over slip leading to river lock, Tonawanda | 5,800 00 | 5,658 98 | 5,658 98 | 5,658 98 | Settled. |
| Crib work and vertical wall on guard lock section and clearing out mill-race at Black Rock | 30,000 00 | 30,000 00 | ..... | ..... | 30,000 00 |
| Removing old warehouse foundation at Black Rock | 3,200 00 | 2,807 43 | 167 43 | 2,807 43 | Settled. |
| Doubling guard lock at Black Rock | 47,000 00 | 47,000 00 | 23,400 00 | 29,600 00 | 17,400 00 |
| Reconstructing docking along channel leading to Niagara river below Ship lock at Black Rock | 600 00 | 589 95 | 589 95 | 589 95 | Settled. Settled. |
| Constructing guard piers and protecting and securing swing bridge at Ferry street in Black Rock harbor | 5,000 00 | 5,000 00 | 1,600 00 | 1,600 00 | 3,400 00 |
| Constructing pipe sewer along Erie canal to State ditch, Tonawanda | 3,500 00 | 3,500 00 | 1,200 00 | 1,200 00 | 2,300 00 |
| Iron bridge over Ohio basin slip on Fulton street, Buffalo | 6,500 00 | 5,829 14 | 689 14 | 5,829 14 | Settled. |
| Iron bridge on Georgia street, Buffalo | 12,000 00 | 11,968 83 | 2,828 83 | 11,968 83 | Settled. |
| Inserting iron needle beams in bridge on Ferry, Genesee, Prime and Michigan streets, Buffalo | 10,000 00 | 9,515 40 | 9,515 40 | 9,515 40 | Settled. |
| Inserting iron needle beams in bridges on Washington street, Main and Hamburg street canal | 2,000 00 | 1,999 53 | 1,999 53 | 1,999 53 | Settled. |
| Side-walks on Fulton street bridge in Buffalo | 500 00 | 499 74 | 499 74 | 499 74 | Settled. |
| Inserting iron needle beams in two bridges at Clyde, three at Lyons and two at Newark | 6,800 00 | 4,581 52 | 361 52 | 4,581 52 | Settled. |
| Inserting iron needle beams in bridges at Palmyra, Macedon and Port Gibson | 2,300 00 | 2,068 55 | 2,068 55 | 2,068 55 | Settled. |

TABLE No. 2—(*Continued*).

| CHARACTER OF WORK. | Engineer's estimate with engineering and contingencies added. | Estimated cost at contract prices. | Amount done during fiscal year. | Total amount done. | Amount remaining to be done. |
|---|---|---|---|---|---|
| Inserting iron needle beams in bridge at Comstock's, Adams', Millard's, Hindsburgh and Shelby street | $8,000 00 | $6,492 42 | $2,292 42 | $6,492 42 | Settled. |
| Inserting iron needle beams in bridges at Eagle Harbor and Young's | 2,800 00 | 2,800 00 | ..... | ..... | $2,800 00 |
| Iron bridge at Orangeport | 3,300 00 | 3,071 66 | 3,071 66 | 3,071 66 | Settled. |
| Iron bridge at McCarty's | 2,800 00 | 2,216 36 | 2,216 36 | 2,216 36 | Settled. |
| Iron bridge at Mabee's | 3,300 00 | 2,629 66 | 2,629 66 | 2,629 66 | Settled. |
| Wrought iron swing bridge at Albion and two iron bridges at Brockville and County Line | 16,500 00 | 15,071 26 | 15,071 26 | 15,071 26 | Settled. |
| Removing easterly bridge at Palmyra and constructing additional roadway to bridge on Main street | 10,000 00 | 9,757 14 | 1,757 14 | 9,757 14 | Settled. |
| Timber bridge over waste-weir channel near Cartersville | 1,095 29 | 1,095 29 | 255 29 | 1,095 29 | Settled. |
| Iron bridge on town line between Greece and Gates | 9,700 00 | 7,500 00 | ..... | ..... | 7,500 00 |
| Iron bridge on Smith street, city of Rochester | 4,100 00 | 4,100 00 | ..... | ..... | 4,100 00 |
| Iron bridge on section No. 275 | 6,500 00 | 6,500 00 | ..... | ..... | 6,500 00 |
| Iron towpath bridge over Genesee Valley canal at junction with Erie canal | 3,000 00 | 3,000 00 | ..... | ..... | 3,000 00 |
| Vertical wall at Pendleton | 3,500 00 | 3,307 40 | 3,307 40 | 3,307 40 | Settled. |
| Vertical wall near Shelby Basin | 3,000 00 | 2,773 25 | 2,773 25 | 2,773 25 | Settled. |
| Vertical and slope wall at Eagle Harbor | 4,000 00 | 2,112 83 | 2,112 83 | 2,112 83 | Settled. |
| Vertical wall at Reynale's Basin | 2,000 00 | 1,056 34 | 1,056 34 | 1,056 34 | Settled. |
| Vertical wall between third and fourth locks east of Rochester | 2,000 00 | 1,419 89 | 1,419 89 | 1,419 89 | Settled. |
| Vertical wall at Bushnell's Basin and Cartersville | 3,000 00 | 3,000 00 | ..... | ..... | 3,000 00 |
| Vertical wall at Fairport | 1,000 00 | 1,000 00 | ..... | ..... | 1,000 00 |
| Vertical wall and bridge across State ditch at Macedon | 5,400 00 | 5,400 00 | ..... | ..... | 5,400 00 |
| Removing bench walls and constructing slope wall and pavement between Lyons and Lockville | 60,000 00 | 60,000 00 | 24,200 00 | 36,420 00 | 23,580 00 |
| Raising and improving Sulphur Spring guard lock | 11,000 00 | ..... | ..... | ..... | Abandoned. |
| Doubling Clyde lock | 34,000 00 | 33,000 00 | 10,140 00 | 11,000 00 | 22,000 00 |
| Doubling Lock Berlin lock | 37,000 00 | 36,000 00 | 8,580 00 | 14,800 00 | 21,200 00 |
| Doubling Lyons lock | 35,000 00 | 34,000 00 | 5,340 00 | 6,200 00 | 27,800 00 |
| Doubling Poor-house lock | 40,000 00 | 38,000 00 | 15,200 00 | 17,000 00 | 21,000 00 |
| Doubling lower lock at Lockville | 35,000 00 | 33,500 00 | 16,200 00 | 24,900 00 | 8,600 00 |
| Doubling middle lock at Lockville | 36,000 00 | 34,500 00 | 13,340 00 | 24,300 00 | 10,200 00 |
| Doubling upper lock at Lockville | 37,000 00 | 35,000 00 | 11,100 00 | 29,300 00 | 5,700 00 |
| Doubling lower Macedon lock | 40,000 00 | 39,000 00 | 7,240 00 | 9,060 00 | 29,940 00 |
| Doubling Pittsford lock | 34,000 00 | 33,000 00 | 4,600 00 | 5,800 00 | 27,200 00 |
| Doubling Miller's lock | 35,000 00 | 34,000 00 | 480 00 | 4,400 00 | 29,600 00 |
| Doubling lock No. 3 east of Rochester | 39,000 00 | 37,500 00 | 5,180 00 | 5,180 00 | 32,320 00 |
| Doubling lock No. 2 east of Rochester | 39,000 00 | 37,500 00 | 5,000 00 | 5,000 00 | 32,500 00 |
| Doubling lock No. 1 east of Rochester | 38,000 00 | 36,000 00 | 6,820 00 | 10,120 00 | 25,880 00 |
| Receiver for White's creek near Wayneport | 3,000 00 | 2,800 00 | 2,080 00 | 2,080 00 | 720 00 |

| | | | | | |
|---|---|---|---|---|---|
| Additional sluice culvert in town of Lockport | 4,000 00 | 3,208 00 | 2,948 12 | 3,208 12 | Settled. |
| Stop gates between Spencerport and Adams' Basin | 10,000 00 | 8,500 00 | 3,260 00 | 3,260 00 | 5,240 00 |
| Stop gates between Deep Hollow culvert and wide water | 10,000 00 | 9,732 91 | 9,732 91 | 9,732 91 | Settled. |
| Stop gates in Erie canal at Holley | 3,000 00 | 3,000 00 | ..... | ..... | 3,000 00 |
| Changing towing path and improving line of canal along high clay bluff | 2,500 00 | 2,496 88 | 1,896 88 | 2,496 88 | 1,000 00 |
| Deepening Erie canal from first lock to Lyell street, Rochester | 58,000 00 | 58,000 00 | 9,700 00 | 47,700 00 | 10,300 00 |
| Ditch to drain lands of Thomas McGuire | 1,500 00 | 1,329 52 | 1,329 52 | 1,329 52 | Settled. |
| Improving channel way and discharge culvert of Thomas creek | 4,500 00 | 3,057 02 | 1,437 02 | 3,057 02 | Settled. |
| Waste-weir on three mile level in Brighton | 2,000 00 | 1,776 80 | 1,776 80 | 1,776 80 | |
| Improving and protecting discharge from Newark waste-weir | 3,000 00 | 3,000 00 | 2,900 00 | 2,900 00 | 100 00 |
| Constructing and testing steam canal dredge | 20,000 00 | 19,474 30 | 3,974 30 | 19,474 30 | Settled. |
| Reducing bottom of Erie canal on sections 277, 278, 282, 283, 285 and 286 | 15,000 00 | 15,000 00 | ..... | ..... | 15,000 00 |
| Removing material from prism of canal on sections 207, 208, 209 and 212 | 5,000 00 | 5,000 00 | ..... | ..... | 5,000 00 |
| Iron bridge near Leach's mill at Lyons | 3,000 00 | 2,500 00 | 1,360 00 | 1,360 00 | 1,140 00 |
| Procuring and inserting tile drain in ditch constructed by State on lands of B. F. Sherman in Clyde | 400 00 | 400 00 | 400 00 | 400 00 | Settled. |
| | ..... | ..... | $320,534 85 | ..... | $606,660 00 |

GENESEE VALLEY CANAL.

| | | | | | |
|---|---|---|---|---|---|
| Slide bank at Portage | $79,000 00 | $78,967 20 | $11,187 20 | $78,967 20 | Settled. |
| Raising Oil Creek reservoir | 137,300 00 | 130,317 45 | 3,117 45 | 130,317 45 | Settled. |
| Deepening Summit level from lock No. 97 to entrance of feeder from Oil Creek reservoir | 9,000 00 | 8,000 00 | ..... | 1,140 00 | $6,660 00 |
| Iron bridge over Griffin Creek feeder at Cuba | 6,500 00 | 5,613 45 | 713 45 | 5,613 45 | Settled. |
| Iron bridge on State street at Olean | 3,500 00 | 2,273 55 | 493 55 | 2,273 55 | Settled. |
| Iron bridge near Blood's farm near Portage | 1,600 00 | 1,531 33 | 1,531 33 | 1,531 33 | Settled. |
| Iron bridge on Adams street, Rochester | 2,400 00 | 1,806 36 | 1,426 36 | 1,806 56 | Settled. |
| Iron bridge on Atkinson street, Rochester | 2,400 00 | 1,821 87 | 1,441 87 | 1,821 87 | Settled. |
| Iron bridge at Cummingsville | 2,000 00 | 2,000 00 | ..... | ..... | 2,000 00 |
| Iron bridge at Fillmore | 2,200 00 | 2,200 00 | ..... | ..... | 2,200 00 |
| Iron bridge at Hinsdale | 3,500 00 | 3,500 00 | ..... | ..... | 3,500 00 |
| Iron bridge at Canawagus | 2,000 00 | 2,000 00 | ..... | ..... | 2,000 00 |
| Rebuilding guard bank in town of Hume | 4,000 00 | 2,340 56 | 2,340 56 | 2,340 56 | Settled. |
| Completing the widening, deepening and improving Genesee Valley canal at Rochester | 88,786 50 | 88,786 50 | 40,786 50 | 88,786 50 | Settled. |
| Clearing out channel of Baird's creek below aqueduct | 7,000 00 | 6,500 00 | 5,160 00 | 6,080 00 | 420 00 |
| Stone abutments and docking at east end of Genesee River dam at Mount Morris | 13,000 00 | 13,000 00 | ..... | ..... | 13,000 00 |
| | ..... | ..... | $68,198 27 | ..... | $29,780 00 |

## TABLE No. 3.

*STATEMENT showing Amount of Work done under the supervision of the Engineer Department, on Miscellaneous Repairs authorized by the Canal Board and Canal Commissioners, and amount paid thereon during the Fiscal Year ending September 30th, 1871.*

| DESCRIPTION OF WORK. | Amount appropriated. | Total amount done. | Amount paid during year. |
|---|---|---|---|
| Repairing damages caused by gales and high water of Lake Erie | $40,000 00 | $40,000 00 | $25,000 00 |
| Protecting and securing towing-path b'k of Erie canal, Oxbow | 8,626 58 | 8,626 58 | 8,626 58 |
| Rebuilding bridge over State ditch near Tonawanda..... | 2,784 73 | 2,784 73 | 2,784 73 |
| Clearing out State ditch at Tonawanda ..... ..... | 1,003 70 | 1,003 70 | 1,003 70 |
| Repairing Hodginsville sluice culvert..... ... ..... | 1,915 87 | 1,200 00 | 1,020 00 |
| | ..... | ..... | $38,435 01 |

STATE OF NEW YORK.

No. 12.

# IN ASSEMBLY,

January 4, 1872.

## REPLY

### OF THE ATTORNEY-GENERAL TO A RESOLUTION OF THE LAST LEGISLATURE, RELATIVE TO THEIR POWER TO REPEAL THE CHARTER OF THE ELEVATED RAILWAY IN THE CITY OF NEW YORK.

OFFICE OF THE ATTORNEY-GENERAL,
ALBANY, *December* 30, 1871.

*To the Honorable the Assembly of the State of New York:*

I have received and considered the inquiry embraced in the following resolution:

STATE OF NEW YORK:

IN ASSEMBLY,
ALBANY, *April* 21, 1871.

*Resolved*, That the Attorney-General be and he is hereby requested to prepare an opinion to be submitted to the next Legislature, as to their power to repeal the charter granted to the so-called Elevated Railway in the city of New York.

By order.

C. W. ARMSTRONG,
*Clerk.*

By section 1, of article 8, of the existing Constitution, power is vested in the Legislature to create corporations by general laws and by special act, when the objects of the corporation cannot be attained under general laws. And it is expressly ordained that "all general laws and special acts, passed pursuant to this section, may be altered from time to time or repealed."

The act to provide for the construction of the so-called Elevated Railway in the city of New York, was passed on the 22d of April, 1867, and is subject in all respects to the provision of the Constitution above recited. Besides, the following section is combined in the act: "Section 12. This act may be altered, amended or repealed, at the pleasure of the Legislature."

It will be observed that full power is reserved in the Legislature to alter from time to time, or entirely to repeal all charters authorized by general laws or granted by special laws after the adoption of this provision of the Constitution.

Such power of alteration or repeal is also expressly reserved in the act and becomes a part of the charter, and is of the essence of the contract between the government and the corporators.

The adjudications that have held charters of incorporations to be unalterable, have been made in cases where the power to alter or repeal was not reserved either in the organic law or in the charter.

I entertain no doubt but that it is within the constitutional power of the Legislature to alter or repeal the special charter referred for my consideration.

This power must be understood as applying only to the franchise granted, and not as to any property acquired or vested in the corporators. It is the franchise only that the government grants. That may be altered, abridged or entirely recalled. The property of the corporators, its track, fixtures, machinery and lands, are subject to all the other sacred guarantees of the Constitution for the protection of private property, and upon the repeal of the charter is to be divided or disposed of by the corporators in such manner as they may adopt.

All of which is respectfully submitted.

MARSHALL B. CHAMPLAIN,
*Attorney-General.*

# STATE OF NEW YORK.

No. 13.

# IN ASSEMBLY,

January 10, 1872.

## LIST

### OF THE COMMITTEES OF THE ASSEMBLY FOR 1872.

*On Ways and Means.*

Mr. Alvord, Onondaga;
Marcy, Suffolk;
Houghton, Saratoga;
Pell, New York;
Kennedy, Livingston;
Mr. Hart, Orleans;
Fort, Oswego;
Jacobs, Kings;
Haughton, New York.

*On Judiciary.*

Mr. Prince, Queens;
Strahan, Orange;
Niles, Westchester;
Flammer, New York;
A. L. Hayes, Oneida;
Mr. Vedder, Cattaraugus;
Tobey, Essex;
Tilden, New York;
D. B. Hill, Chemung.

*On Affairs of Cities.*

Mr. Hawkins, New York;
Judd, Richmond;
Morton, Kings;
Haight, New York;
Berri, Kings;
Mr. Eastman, Dutchess;
Alberger, Erie;
Tilden, New York;
Osgood, Rensselaer.

*On Canals.*

Mr. Fort, Oswego;
Shepardson, Chenango;
Simson, Erie;
Knettles, Tompkins;
Hollister, Washington;
Mr. Moulton, New York;
Rice, Herkimer;
Mosher, Albany;
Paige, New York.

*On Commerce and Navigation.*

Mr. Alberger, Erie;
D. L. Babcock, Albany;
Bennett, Kings;
Green, Oswego;
Geib, New York;
Mr. Judd, Richmond;
Snyder, Rensselaer;
G. D. Lord, Monroe;
Campbell, New York.

*On Railroads.*

Mr. White, Kings;
Smyth, Tioga;
Whitbeck, New York;
Lewis, Delaware;
Burns, Onondaga;
Mr. Greenhalgh, Schenectady;
G. W. L. Smith, Washington;
A. Hill, Greene;
Chambers, Erie.

*On Insurance.*

Mr. Lippitt, Madison;
Enos, Jefferson;
I. H. Babcock, Niagara;
A. L. Van Dusen, Ontario;
Tobey, Essex;
Mr. Twombly, New York;
White, Kings;
Carroll, Oneida;
Aitken, Kings.

*On Claims.*

Mr. Woolsey, Ulster;
Lincoln, Ontario;
Hyatt, Madison;
Griffin, Delaware;
Davidson, Wyoming;
Mr. Yeomans, Wayne;
Swain, Niagara;
Foley, New York;
Chamberlain, Otsego.

*On Roads and Bridges.*

Mr. Badeau, Westchester;
Dykeman, Putnam;
Lott, Seneca;
Holdridge, Cattaraugus;
Wyman, Jefferson;
Mr. Lewis, Delaware;
Bemus, Chautauqua;
Oakley, Queens;
A. Hill, Greene.

*On Affairs of Villages.*

Mr. Pierce, Franklin;
W. J. Van Dusen, Montgom'y;
Preston, Chautauqua;
Sage, Oswego;
Hungerford, Oneida;
Mr. Goss, Monroe;
Wells, Wayne;
Buell, Fulton and Hamilton;
Mosher, Albany.

*On Internal Affairs.*

Mr. Lynde, St. Lawrence;
Enos, Jefferson;
Knapp, Genesee;
Herrick, Rensselaer;
Tucker, Otsego;
Mr. Fowler, Steuben;
Whitaker, Ulster;
Couchman, Schoharie;
Wiley, Erie.

*On Charitable and Religious Societies.*

Mr. Goring, Dutchess;
Burritt, Monroe;
Lippitt, Madison;
G. P. Lord, Yates;
Hollister, Washington;
Mr. Moore, St. Lawrence;
Loughran, Ulster;
Roche, Kings;
Buckley, Sullivan.

*On Public Printing.*

Mr. Smiley, Lewis;
I. D. Brown, Cayuga;
Bennett, Kings;
Pierce, Franklin;
D. L. Babcock, Albany;
Mr. Squires, Cortland;
Woolsey, Ulster;
Cook, New York;
Oakley, Queens.

*On Banks.*

Mr. Squires, Cortland;
Burritt, Monroe;
Goring, Dutchess;
Niles, Westchester;
Kingsland, Clinton;
Mr. Whitbeck, New York;
Hart, Orleans;
Foley, New York;
G. D. Lord, Monroe.

*On Trade and Manufactures.*

Mr. West, Saratoga;
Wells, Wayne;
Preston, Chautauqua;
Abbott, Orange;
Mr. Greenhalgh, Schenectady;
J. Hayes, New York;
Dunphy, New York.

*On Militia.*

Mr. Sniper, Onondaga;
Geib, New York;
Baltz, Erie;
Mackay, New York;
Hungerford, Oneida;
Mr. Knettles, Tompkins;
Snyder, Rensselaer;
Fields, New York;
Buckley, Sullivan.

*On Agriculture.*

Mr. Yeomans, Wayne;
Murdock, Steuben;
Swain, Niagara;
Gregory, Schuyler;
Mr. Dykeman, Putnam;
Buell, Fulton and Hamilton;
Ray, Columbia.

*On State Prisons.*

Mr. E. E. Brown, Cayuga;
Kingsland, Clinton;
Badeau, Westchester;
Peck, Kings;
Mr. Mackay, New York;
Blair, New York;
M. M. Tompkins, Columbia.

*On Public Education.*

Mr. G. P. Lord, Yates;
Eastman, Dutchess;
Smyth, Tioga;
Flammer, New York;
Davidson, Wyoming;
Mr. Crandall, Allegany;
Morton, Kings;
Frear, New York;
Roche, Kings.

*On Grievances.*

Mr. Rose, St. Lawrence;
Herrick, Rensselaer;
Beckwith, Oneida;
D. Tomkins, Rockland;
Mr. Murdock, Steuben;
Couchman, Schoharie;
Roche, Kings.

*On Public Health.*

Mr. Loughran, Ulster;
Crandall, Allegany;
I. D. Brown, Cayuga;
Houghton, Saratoga;
Herrick, Rensselaer;
Mr. Peck, Kings;
Haight, New York;
Healy, New York;
Frear, New York.

*On Manufacture of Salt.*

Mr. Wyman, Jefferson;
Sniper, Onondaga;
Simson, Erie;
Gregory, Schuyler;
Mr. Lincoln, Ontario;
Buckley, Sullivan;
Cook, New York.

*On State Charitable Institutions.*

Mr. Beckwith, Oneida;
Moulton, New York;
Goss, Monroe;
Moore, St. Lawrence;
Mr. Woodward, Warren;
Chamberlain, Otsego;
Wiley, Erie.

*On Petition of Aliens.*

Mr. Knapp, Genesee;
Baltz, Erie;
Smiley, Lewis;
Whitaker, Ulster;
Mr. Griffin, Delaware;
Jacobs, Kings;
Aitken, Kings.

*On Civil Divisions.*

Mr. Shepardson, Chenango;
E. E. Brown, Cayuga;
Abbott, Orange;
Green, Oswego;
Mr. A. L. Hayes, Oneida;
Haughton, New York;
Chambers, Erie.

*On Federal Relations.*

Mr. Husted, Westchester;
Prince, Queens;
Alvord, Onondaga;
Niles, Westchester;
Rose, St. Lawrence;
Mr. Hawkins, New York;
Tilden, New York;
Ray, Columbia;
Fields, New York.

*On Two-thirds and Three-fifths Bills.*

Mr. A. L. Hayes, Oneida;
Vedder, Cattaraugus;
Husted, Westchester;
Kennedy, Livingston;
Mr. Ely, Broome;
Carroll, Oneida;
Campbell, New York.

*On Expenditures of the Executive Department.*

Mr. Sage, Oswego;
Yeomans, Wayne;
Fowler, Steuben;
Springsted, Albany;
Mr. Goring, Dutchess;
Healy, New York;
M. M. Tompkins, Columbia.

*On Expenditures of the House.*

Mr. Hyatt, Madison;
I. H. Babcock, Niagara;
Berri, Kings;
Pell, New York;
Mr. Rice, Herkimer;
Couchman, Schoharie;
Osgood, Rensselaer.

*On Indian Affairs.*

Mr. Ely, Broome;
Holdridge, Cattaraugus;
Sniper, Onondaga;
Woodward, Warren;
Mr. W. J. Van Dusen, Montgom'y;
J. Hayes, New York;
D. B. Hill, Chemung.

*On Public Lands.*

Mr. Tucker, Otsego;
Houghton, Saratoga;
Hawkins, New York;
G. W. L. Smith, Washington;
Mr. D. Tomkins, Rockland;
Paige, New York;
Dunphy, New York.

*On Engrossed Bills.*

Mr. Smyth, Tioga;
Lott, Seneca;
Lynde, St. Lawrence;
A. L. Van Dusen, Ontario;
Mr. Loughran, Ulster;
Blair, New York;
Moseley, Kings.

*On Joint Library.*

Mr. Bemus, Chautauqua;
I. D. Brown, Cayuga;
Judd, Richmond;
Mr. Foley, New York;
Carroll, Oneida.

*On Privileges and Elections.*

Mr. Strahan, Orange;
Twombly, New York;
Burns, Onondaga;
Springsted, Albany;
Mr. Marcy, Suffolk;
D. B. Hill; Chemung;
Moseley, Kings.

# ANNUAL REPORT

OF THE

# ADJUTANT-GENERAL

OF THE

# STATE OF NEW YORK.

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TRANSMITTED TO THE LEGISLATURE JANUARY 12TH, 1872.

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ALBANY:
THE ARGUS COMPANY, PRINTERS.
1872.

STATE OF NEW YORK.

No. 14.

# IN ASSEMBLY,

January 12, 1872.

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## ANNUAL REPORT

OF THE

## ADJUTANT-GENERAL OF THE STATE OF NEW YORK.

STATE OF NEW YORK:

EXECUTIVE CHAMBER,
ALBANY, *January* 11, 1872.

*To the Assembly:*

I transmit to you the annual report of the Adjutant-General.

JOHN T. HOFFMAN.

# REPORT.

GENERAL HEAD-QUARTERS, STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE,
ALBANY, *January* 3, 1871.

To His Excellency JOHN T. HOFFMAN,
*Governor and Commander-in-Chief:*

GOVERNOR.—I have the honor of making the following report from this Department, for the year ending December 31st, 1871.

Another year's experience in the administration, under your direction, of the military affairs of the State, has confirmed the correctness of the views I entertained on assuming the duties of Adjutant-General, and in conformity with which I have acted. The point which I laid most stress on was, that the aggregate force of the National Guard should be reduced to twenty thousand (20,000) non-commissioned officers, musicians and privates (at one time it had been nearly fifty thousand), by lessening the number of organizations, thus getting rid of the most inefficient ones, and giving more pecuniary aid to each of the remainder from the regular annual appropriation, which was established at two hundred thousand dollars ($200,000).

Although the cost of supporting the National Guard is probably double that amount, the balance being contributed by localities, and by the members themselves, I deemed this sum sufficient to stimulate the local authorities to give further aid in money, and to cause more interest to be taken in the organizations by the citizens of the localities in which they exist. In all these respects, the result has met my expectations, and I think I may safely assert that never before has the National Guard been so popular and so fully appreciated. Moreover, the amendments made to the Military Code, in its re-enactment in 1870, relating to the mode of uniforming the troops, and granting them further privileges and exemptions, and providing means for securing competent officers as vacancies occur, have all worked

exceedingly well, and the fruits are shown in the greatly improved condition of the organizations in appearance, drill and discipline. Indeed, I think it may be fairly claimed that the National Guard, as a whole, was never so highly esteemed by the public as now, and never before was it so deserving of such confidence. The demonstrations of its usefulness and efficiency, which have frequently occurred, secure to this body of citizen soldiery the good will and partiality of the people of the whole State; and their friendly disposition can be fully relied on so long as its members do their whole duty, and show by all their acts that they have the proper appreciation of what is becoming to a soldier.

## ORGANIZATION.

At present the National Guard is composed of eight divisions, twenty-five brigades, two regiments, one battalion, and seven separate troops of cavalry; two battalions and ten separate batteries of artillery; forty regiments and six battalions of infantry; and the grand aggregate of the force is twenty-four thousand two hundred and sixty-six (24,266) officers, non-commissioned officers, musicians and privates. Some few of the organizations are still so weak and inefficient that further disbandments and consolidations will have to be made; and when such reduction has been accomplished the aggregate of the force will be within the limitation of the Military Code.

## BREECH-LOADERS.

The Legislature at its last session made an appropriation of two hundred and fifty thousand dollars ($250,000) or so much thereof as might be necessary "for altering the small arms of the National Guard to, or exchanging them for breech-loaders, under the direction of the Governor." In May last a board was appointed "to examine into the merits of various kinds of breech-loading rifle-muskets, and to report the result of such examination to the Governor." This board, which was composed of the Adjutant-General, the Inspector-General and the Chief of Ordnance, was occupied during several months in examining and testing a number of breech-loading rifle-muskets which had been submitted to it for such purpose, and on the 28th of October last they made their report giving the result of their examination and tests, and unanimously recommending the adoption of the Remington rifle-musket, of the improved

model, which had been manufactured for and submitted to the board, as the best arm, in all respects, for the use of the National Guard. It should be stated in this connection, that owing to the failure of my health, I was obliged to take a leave of absence for several months, which I spent in Europe, and therefore was not present at the last meetings of the board, when Colonel J. B. Stonehouse, the Assistant Adjutant-General, filled my place. But having examined this whole matter very thoroughly, and agreeing with the board in the conclusion at which they arrived, I fully concur in their recommendation.

The Governor having approved the report, a contract was entered into with E. Remington and Sons for furnishing the State with fifteen thousand (15,000) of their breech-loading rifle muskets, of the improved model, in exchange for the same number of muzzle-loading Springfield rifle muskets now in the hands of the National Guard, on terms very advantageous to the State; indeed, so much so, that probably not more than three-quarters of the amount of the appropriation will be required to meet the payment of money which the contract provides for. Should it not be deemed necessary to obtain any more of these rifle muskets at present, I would recommend that the Legislature be asked to allow the balance of that appropriation to be used for the purchase of equipments and of Gatling guns—the superior of the mitrailleuse—for the artillery.

For further information with respect to the subject of breech-loaders, reference is made to the report of the Board, which will be found in the appendix.

## TARGET PRACTICE.

In my last annual report, I took the ground that field days for target practice would be of much more benefit to the troops than encampments. Now that the infantry is in a short time to be armed with breech-loaders, it becomes more important that the men should be thoroughly instructed and practiced in the use of the rifle, not only that they may become perfectly familiar with its manipulation and expert in the manual, but also accurate marksmen. All this can only be acquired by target practice, and therefore such practice should be made a part of the course of drill in every year.

Recently an association has been organized, called the National Rifle Association, through which, it seems to me, that much of that which is so desirable for the National Guard in this direction can be attained, and therefore the Military Department of the State should be disposed to view it with favor and encouragement.

## STATE MILITARY AGENCIES.

With respect to the business formerly conducted by the State Military Agencies, and which devolved upon this Department on the abolishment of those agencies, I have to report as follows:

The amount of the United States paymaster's checks and treasurer's certificates, on hand, January 1, 1871, was seventeen hundred and sixteen dollars and fourteen cents ($1,716.14). Amount of claims settled during the year, two hundred and six dollars ($206). There has been delivered to claimaints the sum of three hundred and eighty-seven dollars and eighty cents ($387.80), and the amount remaining to be delivered is fifteen hundred and thirty-four dollars and thirty-four cents ($1,534.34).

## WAR CLAIMS AGAINST THE UNITED STATES.

The vigorous prosecution of these claims has been continued during the past year, and a new installment, amounting to several hundred thousand dollars, has been presented to the Department at Washington. For detailed information with respect to this matter, reference is made to the report of Colonel J. B. Stonehouse, Assistant Adjutant-General, contained in the appendix.

## CONCLUSION.

In closing this report I avail myself of the opportunity to commend Colonel John B. Stonehouse, Assistant Adjutant-General, and Major Alfred H. Taylor, chief clerk, and other employes in this office, for the zeal, fidelity, and diligence with which they have discharged their duties.

For further information in detail, reference is made to the accompanying appendix.

All which is respectfully submitted.

FRANKLIN TOWNSEND,
*Adjutant-General.*

# APPENDICES

ACCOMPANYING THE

# REPORT

OF THE

# ADJUTANT-GENERAL.

# APPENDICES ACCOMPANYING THIS REPORT.

A. Reports of division and brigade commandants.

B. Report of Col. J. B. Stonehouse, Assistant Adjutant-General, as to the condition of the claims of the State of New York against the United States for war expenditures.

C. Report of Miss Lizzie Dempsey, in charge of Bureau of Military Statistics.

D. Register of the military force of the State of New York.

E. Abstract of muster and inspection rolls for the year 1871, by regiments, brigades and divisions.

F. Recapitulation of the military force of the State of New York.

G. Table of military districts.

H. List of commissions issued during the year 1871.

I. General orders and circulars issued during the year 1871.

K. The annual report of the Inspector-General for 1871.

L. The report of the Paymaster-General for the year 1871.

The report of the board for the examination of breech-loading rifle muskets will be found at the end of this volume.

(A.)

# REPORTS OF DIVISION AND BRIGADE COMMANDANTS.

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HEAD-QUARTERS FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *December* 1, 1871.

GENERAL.—In accordance with paragraph 528, General Regulations, I have the honor to report that, during the year ending with this date, the following parades and meeting for instruction were made and held, pursuant to orders from these head-quarters:

July 4, 1871—Division parade and review.
Oct. 17, " —Meeting for instruction.
Nov. 21, " —Parade of all the infantry and one troop of cavalry.

In addition to the above parades, etc., the services of the division have been called for, in support of the civil authorities, on two occasions, viz.: The whole division was under arms from early in the morning of the 12th of July until the morning of the 13th, during which time part of the troops were in active service, in quelling the riots in the upper part of the city, a detailed report of which was made to general head-quarters on the 19th of July. On November 7th, four regiments were under arms at their armories, ready to support the police authorities, from 6 A. M. until 10½ P. M., but their active services were not called for.

I feel impelled to take advantage of this opportunity to call the attention of the Commander-in-Chief again to the propriety of arming one of the foot-batteries of this division with the Mitrailleuse. I made this suggestion in my last annual report, and repeated it in a communication of 16th November. This very desirable improvement could be accomplished at no great expense, and would be an advance in keeping with the same spirit that prompted the arming of the infantry with breech-loading weapons.

During the past year, great dissatisfaction has been expressed by some organizations of the Division at the condition of their armories, which in some cases are so miserable as to be entirely unfit to drill the smallest bodies of men. To call this demoralizing, is but feeble

description. Despite the great exertion of the officers, it is scarcely possible to maintain proper *esprit de corps*. The effect is ruinous to the organizations. Two or three regiments could have, during last winter, only such drills as the accommodation of the State Arsenal afforded, their armories being worthless for drill purposes, and but ordinary storing places for arms.

The armories now occupied by the Fifth, Eighth, Eleventh, Sixty-ninth and Eighty-fourth Regiments are in very bad condition. The City Arsenal, corner of White and Elm streets, is used as quarters for all the batteries. It is entirely unfit for the storage of the guns, carriages and harness. In cold or stormy weather, no drills can be held there.

The long-deserved encouragement which the National Guard met with from the last Legislature, in the direction of new and improved arms, and a parade ground, gives me reason to hope that the suggestions now made to his Excellency, the Commander-in-Chief, will meet with just consideration.

Very respectfully, yours,

ALEXANDER SHALER,
*Maj.-General.*

Maj.-General FRANKLIN TOWNSEND,
*Adjutant General.*

HEAD-QUARTERS FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *July* 19*th*, 1871.

SIR.—I have the honor to report that, on the morning of the 10th inst., I was personally waited upon by his Honor, the Mayor, who informed me that, on the evening of that day, a police order would be issued to prevent any parades or processions upon Wednesday, the 12th inst., but that, owing to the excited state of much of the populace, there might nevertheless arise disturbances which might render the aid of the military necessary. Accordingly we examined section 242, of chapter 80, of the Laws of 1870, and I received the following written communication under that law:

NEW YORK, July 10th, 1871.

In order that the police authorities of this city may be well sustained in suppressing a disturbance of the peace, of which, on Wednesday, the 12th inst., there is anticipation and imminent danger, I

desire you to order out, and hold in readiness at their armories, for active service, three regiments of infantry and one troop of cavalry.

Very truly yours,

A. OAKEY HALL,

*Mayor of the City of New York.*

To Major-General Alexander Shaler,

*Commandant of the First Division of the N. G., S. N. Y.*

During the day of the 11th inst. I also received a verbal request from the President of the Police Department to furnish an increased force. On the 11th, at about midnight, I was further requested by his Excellency the Governor of the State to furnish all the military aid required in assistance of the civil authorities. In answer to these requisitions, the following order was issued from these head-quarters:

Head-quarters First Division N. G., S. N. Y.,
New York, *July* 11*th*, 1871.

Special Orders,
No. 16.

*Extract.*

* * * * * * * *

II. In obedience to a requisition from the civil authorities, the following organizations are hereby ordered to assemble at their respective armories, in fatigue dress, fully armed and equipped for active service, on Wednesday next, the 12th inst., at 7 o'clock a. m.:

First Regiment Infantry, Sixth Regiment Infantry, Seventh Regiment Infantry, Eighth Regiment Infantry, Ninth Regiment Infantry, Eleventh Regiment Infantry, Twelfth Regiment Infantry, Twenty-second Regiment Infantry, Sixty-ninth Regiment Infantry, Seventy-first Regiment Infantry, Eighty-fourth Regiment Infantry, Washington Grey Troop Cavalry, Battery "G," Battery "C."

The Infantry will be supplied with forty rounds of ammunition, and the Artillery with twenty rounds per gun.

* * * * * * * *

By order of Major-General Alexander Shaler.

WM. H. CHESEBROUGH,

*Col., A. A. G. and Chief of Staff.*

At two o'clock a. m., on the 12th inst., I personally informed the Superintendent of Police of my action, and at six o'clock a. m. reported to the Commander-in-Chief in person, with a portion of my staff, at police head-quarters.

The accompanying map, prepared as a part of this report, an examination of which is invited, will show the location of the forces under arms at seven A. M. The blue spots mark the quarters of the infantry regiments ordered on duty, the red those of the artillery, and the orange those of the cavalry. The blue crosses, the quarters of the infantry regiments, and the orange cross, that of the cavalry regiments, over which guards were placed.

It being apprehended at police head-quarters that the necessary withdrawal of most of the police force from the thirty-first precinct would invite disorder along the line of the Boulevard, it was deemed prudent to establish an armed force in the vicinity of Elm Park; and, to secure the greatest amount of protection with the least number of men, a regiment armed with breech-loaders, and a squadron of cavalry were dispatched, by the service of the following orders, at 7.30 A. M.:

HEAD-QUARTERS, FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *July* 12*th*, 1871.

SPECIAL ORDERS,
No. 17.

I. The commanding officer of the Washington Grey Troop will report immediately, with his command, to the commanding officer of the Seventy-first Regiment Infantry at the armory of the regiment, corner of Thirty-fifth street and Broadway.

* * * * * * * *

By order of Major-General ALEXANDER SHALER,

WM. H. CHESEBROUGH,
*Col. A. A. G. and Chief of Staff.*

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HEAD-QUARTERS, FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *July* 12*th*, 1871.

Lieut.-Col. GEO. D. WOLCOTT,
*Commanding Seventy-first Regiment:*

COLONEL.—Upon the receipt of this you will march your command up the Boulevard to the thirty-first precinct police station, in One Hundredth street, between Ninth and Tenth avenues, and put yourself in communication with Captain Helme, or other police officer in charge. You will regulate your movements so as to support the police force in the discharge of their duties, and for this

purpose you will confer with the officer in command, and keep yourself informed as to his movements.

The service which is required of you is, as you will appreciate, one of a delicate nature, and one in which you must be guided by circumstances and your own judgment. The police will enforce the law so far as they can, and if not able to do so, will call upon you for assistance, which you will render so as to uphold them in the discharge of their duties. You will keep your command in the ranks, and see that the men behave quietly and orderly, and not allow any straggling, so that they can be used at a moment's notice.

If compelled to send detachments to any point, you will see that they are sufficiently large to enforce order, if possible, without resorting to compulsory measures.

You will not use force unless it becomes absolutely necessary to put down a riot or disturbance, and then you are expected to act with coolness and firmness. No *positive* orders can be given to guide you in your actions, but you must be governed by the exigencies of the case, and your authority is, therefore, necessarily discretionary. The Washington Grey Troop of Cavalry has been directed to report to you. It will co-operate with your command, under your orders.

By order.

WM. H. CHESEBROUGH,
*Col. A. A. G. and Chief of Staff.*

At the same hour, Col. Scott, of the Eighth Regiment was ordered to occupy the City Arsenal, corner of White and Elm streets, with about three-fourths of his command, for the purpose of protecting the building and its contents, and of supporting the two batteries assembled there, should their services be required. The balance of the Eighth Regiment were left for the protection of their own armory.

Col. Ward, of the Twelfth Regiment, was ordered to occupy the State Arsenal, corner of Seventh avenue and Thirty-fifth street, with his command, leaving about forty men for the protection of his armory, and detailing an equal number for the care of the Seventy-first Regiment armory.

The commanding officer of the Fifth Regiment stationed fifty men in the armory of his regiment in Hester street, near Bowery, and an equal number in the armory of the First and Third Cavalry, at 37 and 39 Bowery.

The commanding officer of the Seventy-ninth Battalion stationed one company in the armory corner of Green and Houston streets.

The commanding officer of the Ninety-sixth Regiment stationed one company in the armory at Germania Assembly Rooms, 291 and 293 Bowery.

At 8 o'clock, A. M., Brig.-Generals Varian and Ward, commanding the Third and First Brigades, respectively, of the First Division, reported to me in person and were directed to establish their head-quarters as follows: General Varian at the armory of the Seventh Regiment, and General Ward at the armory of the Twenty-second Regiment. They were requested to visit the armories of the regiments of their commands and see that the instructions issued were observed, and hold themselves and their staffs in readiness for any service.

In order that the excited condition of the public mind might not be aggravated by the presence of uniformed soldiers in the public streets, and that the troops should be well in hand for prompt action, the following circular was issued to all the commanding officers:

"HEAD-QUARTERS FIRST DIVISION N. G., S. N. Y.,
"NEW YORK, *July* 12, 1871.

"*Official and Confidential.*

"The Major-General commanding directs that the ammunition be not distributed until orders to do so are received from these head-quarters.

"You will please form your companies as soon as the men arrive, and keep them within the armory. Loitering about the doors, and visiting neighboring saloons, will under no circumstances be permitted. If necessary to prevent it, appoint a Provost Guard, not otherwise. Men arrested by a Provost Guard will be returned for disobedience.

"By order of Maj.-General ALEXANDER SHALER.

"WM. H. CHESEBROUGH,
"*Col., A. A. G. and Chief of Staff.*

By 9 o'clock, A. M., reports received at head-quarters of small bodies of armed men moving in various parts of the city became frequent. The first one of any magnitude or of positive seriousness was received about 8 A. M., to the effect that a large crowd of evil disposed persons had made a demonstration at One Hundred and

Forty-third street and Seventh avenue, and obliged all the workmen in that neighborhood to quit work and join their party. There being no available police force in that vicinity, I dispatched, at the request of the police authorities, Major Jussen, of my staff, with orders to the Commanding Officer of the Seventy-first Regiment, stationed at Elm Park, to at once move one wing of his regiment and the Washington Grey Cavalry in the direction of the point indicated. This movement was rapidly executed, but upon reaching One Hundred and Tenth street, information was received that the rioters had moved down through the Park. The infantry remained for a short time at One Hundred and Tenth street and Eighth avenue, and the cavalry at One Hundred and Tenth street and Sixth avenue, and at 12.15 P. M. were returned to Elm Park by a telegraphic order.

About 10 A. M. information was received that a considerable body of rioters was moving down Third avenue at Eighty-sixth street, and that the workmen engaged in laying croton pipes had quit work and joined them. To support a detachment of police sent off in omnibuses to intercept them, the First Regiment Infantry, Col. Perley commanding, was ordered to move across to and up the Third avenue. At 12 M., Col. Perley telegraphed from the nineteenth precinct station house "everything quiet," and he was, after consultation with the police authority, telegraphed to return to the armory and keep a sharp lookout.

At 10.30 A. M. an effort was made by an excited crowd to seize the arms stored in a reported Fenian head-quarters in avenue A, near Fourth street, and Col. Clark, of the Seventh Regiment, was ordered to detail two companies to co-operate with Capt. Mount, of the eleven precinct, in protecting them. These companies shortly afterward reported back to their armory; the arms having been secured and removed to police head-quarters by the men under Capt. Mount.

About the same hour an exciting report, to the effect that an armed mob had attacked Second avenue cars, was received, and a detachment of police was dispatched, by Superintendent Kelso, to the eighteenth precinct, to support and co-operate with this detachment. Col. Sherry, of the Sixth Regiment, was ordered to send four companies of his command to the Second avenue. The report proved unfounded, or at least was greatly exaggerated. The numerous details of policemen had reduced the force at head-quarters so much that it was deemed necessary to reinforce it by a portion of the military. Col. Clark, of the Seventh Regiment, was therefore ordered to send two

companies, and occupy the upper floor of the head-quarters building. These companies were commanded, respectively, by Capts. Kipp and Ely.

The reports from different parts of the city had now become most exciting in their character. One from the immediate vicinity of head-quarters, brought in by detectives considered most reliable, was to the effect that an organized force, formed in companies, with officers commanding, having a leader at their head with a drawn sword, was moving down Prince street toward Hibernia Hall. Instantly a plan of capture was determined upon. A body of policemen was to move down Mulberry street to Prince, to meet the column; another body was to go down the Bowery to strike their rear, while a strong squad of detectives were to operate in making captures, as circumstances would permit. To give moral effect and render aid if required, the Eighty-fourth Regiment was moved from their armory at Fourth street, down Broadway to Prince street, and the Eleventh Regiment was moved from Delancey and Christie streets, up the Bowery to Prince street. The rioters, having received some information or entertained suspicions of an agressive movement on the part of the authorities, had marched off to another section of the city before the dispositions made for their dispersion were consummated. Subsequently, however, a goodly number of captures were made by the police in the same neighborhood. While the regiments last named were on the march, they were directed to police head-quarters. As soon as the Eighty-fourth Regiment vacated their armory their surplus arms were removed for safety to police head-quarters.

A report was received about the same time, and since confirmed by the official report of the commanding officer of the regiment, that a body of about five hundred men were threatening the armory of the Fifth Regiment, in Hester street, near the Bowery. The building was occupied by a company placed there for its protection, and its presence deterred the mob from making an attack.

Information having been received about noon that the Orangemen had determined to parade and that a considerable force would probably be required to aid the police in their protection, the Fifty-fifth Regiment and the balance of the 79th Battalion were ordered to assemble at their armories. A detachment of the latter was ordered to police head-quarters, and after conducting a body of prisoners to the fifteenth precinct station-house, was returned to its armory to protect the United States army building in which it is located.

Colonel Budke of the 3d cavalry was authorized to assemble a part of his command to relieve a company of the Fifth Infantry in the protection of the cavalry armory. Major-General Woodward, commanding Second Division N. G., very kindly offered the services of one of his regiments, armed with breech-loaders, already assembled at their armory. Their services were accepted, and they were marched to the armory of the Ninety-sixth Regiment, 291 and 293 Bowery, as a place most convenient of location and a "*point d'appui*" to the movements about to be commenced.

At 1.30 P. M., arrangements having been made by the police authorities to protect the procession that was to form at two o'clock, at the corner of Eighth avenue and Twenty-ninth street, and desiring the support of the military, orders were issued to the Sixth, Colonel Sterry; Seventh, Colonel Clark; Ninth, Colonel Fisk; Twenty-second, Colonel Porter; and Eighty-fourth, Lieutenant-Colonel Mitchell commanding, to report at once on the ground above designated to Brigadier-General Varian, who had been assigned to the command of the escort, and previously informed as to the number of regiments ordered to report to him, and the character of the service required of the escort. The instructions to General Varian were necessarily general in their character, and consisted chiefly of my opinion as to the proportion of troops to be placed in front, on the flanks, and in rear of the procession, with the usual caution about preserving steadiness among the men, and keeping the ranks well closed up. All the details of formation, which would be varied according to the number of men in the procession, and which could be determined only upon the ground, together with the orders and instructions to the different regimental commanders according to their respective positions in the column, and the attitude assumed by the crowds at different points, were necessarily left to the exercise of his own best judgment and discretion, after he should have arrived upon the ground. When the Seventh Regiment moved from the armory, the two companies on duty at police head-quarters joined the regiment, and the Eleventh Regiment occupied the rooms vacated on the upper floors. The regiments were reported promptly as ordered. For the disposition made of them, and other information concerning the procession, your attention is invited to the following report of General Varian, submitted immediately after the procession had been dismissed:

"HEAD-QUARTERS THIRD BRIGADE, FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *July* 12, 1871.

"Major General ALEXANDER SHALER,
*Commanding 1st Division N. G., S. N. Y.*

"GENERAL.—In compliance with your instructions, I have the honor to submit the following report:

"According to verbal instructions received from you this morning, I proceeded to visit the several regiments of my brigade and had completed the tour, with the exception of the Eighth Regiment, when orders were received from your head-quarters desiring my presence immediately.

"In accordance with your directions to take command of the escort to the Orange procession, I at once proceeded with my staff to the place designated, viz., Eighth avenue, corner Twenty-ninth street. On my arrival there, I found the procession under the protection of the police and ready to move.

"The regiments of infantry ordered for escort service, viz., Sixth, Seventh, Ninth, Twenty-second and Eighty-fourth arrived promptly and reported for duty.

"I at once disposed the troops in the following order: Seventh Regiment on the right in column of companies, Twenty-second and Eighty-fourth on the right and left flanks respectively in column of fours, Sixth and Ninth in the rear (Sixth leading) in column of companies. Before ordering the column to move, I was informed by Inspector Walling, of the police force, that the roofs of the houses on the avenue between Twenty-seventh and Twenty-sixth streets, east side, were covered with men who had been seen loading firearms, and at once directed Colonel Clark to detail the right wing of his regiment and take position on the opposite side of said block, facing those buildings, instructing him to return any fire which should commence, with sufficient vigor to stop it, and to rejoin his regiment after the column had passed that locality. These preparations being made, I gave command for the column to move and at once took position on the right with my staff. Having arrived on the corner of Twenty-third street, I halted the column to give the right wing of the Seventh Regiment opportunity to rejoin the command.

"The order to halt had scarcely been obeyed, when I heard firing, proceeding apparently from the rear, and immediately returned to ascertain the nature of the difficulty. On arriving I ordered the

firing to cease; made inquiry as to the cause; and learned that the column had been fired into both from the sidewalk and houses, and the fire had been promptly returned by some of the regiments, killing and wounding a number of persons.

"Comparative order being restored, I again put the column in motion, proceeding through Twenty-third street to Fifth avenue, down the avenue to Fourteenth street, thence around Washington monument, down Fourth avenue to the junction of Third avenue, without further disturbance than the occasional arrest of individuals on the sidewalk by the police. At the said junction the procession dismissed, and, in accordance with your further instructions, I disposed of the troops so as to enclose the space between Fourth and Eighth streets, and then cleared the space of the crowd assembled.

"After remaining in the position described about an hour and a half, I gave directions to the several commands to return to their armories, and to hold themselves in readiness for further orders from your head-quarters.

"I cannot close without expressing my satisfaction at the alacrity and cheerfulness displayed by officers and men in obeying orders, and giving me every asssistance in their power; to the police for their hearty co-operation, and, lastly, to the men composing the procession, for it must be said, to their credit, that not a word was spoken, or fire-arm displayed, or anything done by them which could be construed as a menace to any one, carrying out the instructions given them to the letter.

"I have the honor to be, General,

"Respectfully your obedient servant,

"J. M. VARIAN,

"*Brigadier-General.*"

The firing referred to in General Varian's report was telegraphed to head-quarters, with the additional information that large bodies of rioters were confronting the head of the column, impeding its advance. Upon this, the First Regiment Infantry, Col. Perley commanding, was ordered to move promptly down to and occupy Madison square, so as to flank the rioters should they continue in force in front of the procession when it reached that point, or render such assistance as General Varian might require. For a similar purpose, two companies of the Eleventh Regiment, afterward re-enforced by two other companies, were orderd to occupy Fourteenth street,

near Irving Place, and the Thirteenth Regiment was moved up the Bowery as far as Fourth street. These movements were made on the left flank of the column, under the supposition, which was afterward found correct, that the bulk of the rioters would approach the procession from the north and east. The Thirteenth Regiment subsequently reported to General Varian, and was used in the dispositions made to insure order and quietude in the dispersion of the Orangemen. Those dispositions were simply the occupation by the troops of the streets running into and across the Bowery and Fourth avenue, and clearing Fourth avenue from Astor place and Eighth street down to Fourth street. After the Orangemen had left for their homes, the troops were gradually withdrawn and sent to their armories. The procession formed and marched from Eighth avenue shortly after 2 o'clock, and arrived at its destination a little past 4 o'clock. While it was moving, the troops not in the column or disposed of on the flanks as above recited, were stationed ready for immediate service, as follows, viz.: The Fifth, Sixty-ninth, Fifty-fifth and Seventy-ninth, in their respective armories; the Eighth at the city arsenal with batteries C and G. Capt. Shilling and Lieut. Wright commanding, and the Twelfth at the State arsenals.

Having been requested by the president of the police department to furnish a guard for the protection of the United States post-office, a detachment of two companies of the Sixty-ninth Regiment was ordered, at 5.20 P. M., to occupy the post-office, and remain there until 7 o'clock the next morning. At the same time two companies of the Seventy-first Regiment were ordered to occupy Kappf's Garden, at Eighth avenue and One Hundred and Tenth street, until 8 A. M., to prevent an anticipated attack upon a pic-nic party. At 6 P M., apparent quietude having been restored in the vicinity of head-quarters, the Thirteenth Regiment were relieved, with the thanks of the division commander, and ordered to return to its armory. At the same time the First Regiment, at Madison square, was ordered to return to its armory, and the four companies of the Eleventh at Fourteenth street to rejoin the regiment at police head-quarters. These dispositions brought all the troops, except the Eleventh Regiment, to the positions occupied early in the day, where they remained undisturbed by orders or alarms the whole night. No indication of a necessity for the use of large bodies of troops being apparent, General Ward and staff were relieved, at 8 P. M., and General Varian and staff at 1 A. M. of the 13th instant, by the issue of the following notice:

Head-quarters, First Division N. G., S. N. Y.,
New York, *July* 12*th*, 1871.

General.—The Major-General commanding desires me to say that the recent reports from the various precincts are so satisfactory, that he does not consider it necessary for you to remain longer on duty.

You will, therefore, please consider yourself relieved upon the receipt of this, with the thanks of the commanding general for the efficient discharge of the difficult and delicate services of the day.

The regiments will all remain at their armories until further orders.

Very respectfully yours,

WM. H. CHESEBROUGH,
*Col., A. A. G. and Chief of Staff.*

To Brigardier-Generals J. M. Varian and Wm. G. Ward.

The night passed without any unusual excitement, and at 8 o'clock a. m., with the consent of the police authorities, a gradual dismissal of all the troops, except the Twenty-second Regiment, was begun. To the Twenty-second, the following order was issued:

Head-quarters First Division N. G., S. N. Y.,
New York, *July* 13*th*, 1871.

Special Orders,
No. 18.

The commanding officer of the Twenty-second Regiment of Infantry will proceed immediately, with his command, to Elm Park, corner of the Boulevard and Ninety-fourth street, to relieve the Seventy-first Regiment Infantry and Washington Gray Troop Cavalry. Upon his arrival, he will confer with the officer in charge of the Thirty-first precinct, and co-operate with him in the preservation of order.

By order of Major-General Alexander Shaler.

WM. H. CHESEBROUGH,
*Col., A. A. G. and Chief of Staff.*

And at noon, it was returned to the armory and dismissed.

In the following table will be found the strength of the several organizations ordered on duty, and a list of the casualties which occurred in this command:

PRESENT FOR DUTY.

| | Officers. | Enlisted Men. | Total. |
|---|---|---|---|
| First Regiment Infantry | 17 | 215 | 232 |
| Fifth Regiment Infantry | 24 | 377 | 401 |
| Sixth Regiment Infantry | 19 | 315 | 334 |
| Seventh Regiment Infantry | 36 | 570 | 606 |
| Eighth Regiment Infantry | 27 | 356 | 383 |
| Ninth Regiment Infantry | 35 | 441 | 476 |
| Eleventh Regiment Infantry | 37 | 311 | 348 |
| Twelfth Regiment Infantry | 25 | 265 | 290 |
| Twenty-second Regiment Infantry | 29 | 378 | 407 |
| Fifty-fifth Regiment Infantry | 18 | 216 | 234 |
| Sixty-ninth Regiment Infantry | 28 | 326 | 354 |
| Seventy-first Regiment Infantry | 32 | 378 | 410 |
| Seventy-ninth Battalion Infantry | 14 | 76 | 90 |
| Eighty-fourth Regiment Infantry | 26 | 278 | 304 |
| Ninety-sixth Regiment Infantry | 18 | 206 | 224 |
| Third Reg't Cavalry (detachment to guard armory) | 15 | 97 | 112 |
| Washington Gray Troop Cavalry | 4 | 41 | 45 |
| Battery "C" | 4 | 56 | 60 |
| Battery "G" | 2 | 20 | 22 |
| | | | 5,332 |

CASUALITIES.

Sixth Regiment. Wounded: Captain Adler, slightly grazed at the wrist, and one private (name not reported) badly bruised in the leg.

Seventh Regiment. Wounded: Sergeant Behringer, Co. G, leg wound by a stone; private Townsend, Co. G, in neck, by musket ball; private Morgan, Co. H, slight scalp wound.

Ninth Regiment. Killed: Sergeant Samuel Wyatt, Co F; private H. C. Page, Co. K. Wounded: Colonel James Fisk, Jr., ankle sprained; Captain Spencer, slightly hurt by a brick; private Pryor, Co. A, shot in leg (since dead); private Burns, Co. E, stabbed in back; private Griffin, Co. A, leg; Sergeant Byers, Co. B, side, kicked by mob.

Eighty-fourth Regiment. Wounded: Captain Douglas, Co. K, struck in head by missile; private Jennie, Co. I, shot in head, seriously; private Archer, Co. F, flesh wound in wrist.

There are two points in connection with the operations of this command on the 12th inst., to which the attention of the Commander-in-Chief is specially invited. First: The promptitude with which the troops assembled, and which the Commander-in-Chief, by his presence, had an opportunity of witnessing. Second: The increased numbers which each organization turned out. In many regiments this increase amounted to fifty per cent more than usually parades; and when is considered the peculiar circumstances under which the orders were issued, the divided and excited state of the

public mind, the extraordinary and unusual conditions which made it necessary to call upon the National Guard and the extremely delicate character of the service to be performed, the devotion of officers and men to principles of law and order, and of complete subordination to the constituted authorities, is strikingly apparent.

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HEAD-QUARTERS SECOND DIVISION, N. G., S. N Y.,
BROOKLYN, *January* 3*d*, 1871.

GENERAL.—I have the honor to transmit herewith my report, as required by section 528, General Regulations.

I am, General, very respectfully,
Your obedient servant,

JNO. B. WOODWARD,
*Major-General.*

Major-General FRANKLIN TOWNSEND,
*Adjutant-General, S. N. Y., Albany, N. Y.*

HEAD-QUARTERS SECOND DIVISION, N. G.,
BROOKLYN, *December* 15, 1871.

GENERAL.—In compliance with section No. 528, General Regulations, I have the honor to report.

### DIVISION PARADES.

No parade by division has been ordered during the past year.

### BRIGADE REVIEWS.

I inspected and reviewed the Fifth Brigade, Brig.-General Thomas S. Dakin commanding, at the Prospect Park parade ground, on the 22d May; and on the 8th June the Eleventh Brigade, Brig.-General J. V. Meserole commanding, was inspected and reviewed by me at the same place—the division staff parading upon both occasions.

### ACTIVE SERVICE.

Upon the 12th July, the Thirteenth Regiment Infantry was ordered to assemble at their armory, in compliance with the following requisition from the Mayor of this city:

MAYOR'S OFFICE,
BROOKLYN, *July* 11, 1871.

Maj.-General JOHN B. WOODWARD,
*Commanding Second Div. N. G., S. N. Y.:*

GENERAL.—You will please assemble one of the regiments of infantry under your command, to be on duty at the city armory to-morrow morning before ten o'clock, as their services may be required to preserve the peace of the city.

Very respectfully,

MARTIN KALBFLEISCH, *Mayor.*

No disorder occurring, or being apparently imminent up to noon of the 12th July, the Thirteenth Regiment was at that hour sent to New York and ordered to report to Gen. Shaler, for duty.

## ANNUAL INSPECTIONS.

The several organizations in this command were assembled for inspection and muster between the 23d and 31st days of October. The following table shows the number present and absent, and the totals compared with muster of previous year:

| COMMANDS. | 1871. | | | Total 1870. | Increase. | Decrease. | Total net increase. |
|---|---|---|---|---|---|---|---|
| | Present. | Absent. | Total. | | | | |
| 5TH BRIGADE: | | | | | | | .. |
| 13th Regiment Infantry | 432 | 73 | 505 | 497 | 8 | .. | .. |
| 14th Regiment Infantry | 186 | 252 | 438 | 409 | 29 | .. | .. |
| 28th Regiment Infantry | 340 | 82 | 422 | 429 | .. | 7 | .. |
| Troop Cavalry | 88 | 14 | 102 | 105 | .. | 3 | .. |
| 11TH BRIGADE: | | | | | | | .. |
| 23d Regiment Infantry | 401 | 101 | 502 | 452 | 50 | .. | .. |
| 32d Regiment Infantry | 356 | 53 | 409 | 386 | 23 | .. | .. |
| 47th Regiment Infantry | 341 | 57 | 398 | 384 | 14 | .. | .. |
| Troop Cavalry | 55 | 13 | 68 | 62 | 6 | .. | .. |
| Howitzer Battery | 36 | 23 | 59 | 69 | .. | 10 | .. |
| 2D DIVISION: | | | | | | | .. |
| Separate troop Cavalry | 60 | 29 | 89 | 97 | .. | 8 | .. |
| Battery "A." Artillery | 40 | 18 | 58 | 60 | .. | 2 | .. |
| Battery "B." Artillery | 50 | 13 | 63 | 70 | .. | 7 | .. |
| | 2,385 | 728 | 3,113 | 3,020 | 130 | 37 | 93 |

Showing a net increase of strength of 93, as compared with the total of same organizations at the inspections of previous years. The total strength present shows a gain of 241, as compared with previous years.

## Organization.

There has been no change in the organization of this command during the past year, either by consolidation, disbandment or organization of new commands.

## Parade Returns.

The returns required by section 113 of the Military Code, showing number of enlisted men who have made the requisite number of parades during the past year, present the following results:

| | |
|---|---|
| Thirteenth Regiment Infantry | 266 |
| Fourteenth Regiment Infantry | 164 |
| Twenty-third Regiment Infantry | 347 |
| Twenty-eighth Regiment Infantry | 346 |
| Thirty-second Regiment Infantry | 317 |
| Forty-seventh Regiment Infantry | 312 |
| Separate Troop Cavalry, Second Division | 68 |
| Separate Troop Cavalry, Fifth Brigade | 98 |
| Separate Troop Cavalry, Eleventh Brigade | 64 |
| Separate Battery A, Second Division | 47 |
| Separate Battery B, Second Division | 55 |
| Howitzer Battery, Eleventh Brigade | 31 |
| Total | 2,115 |

## Rifle Practice.

The proposed issue to the infantry commands of the National Guard of the long-range Remington breech-loaders, of uniform pattern and calibre, throughout the State, renders it practicable to introduce a proper system of instruction for the infantry in the *use* of the piece which is being placed in their hands. I respectfully suggest that a text book be prepared for the use of instructors, and that such orders be issued from general head-quarters as will render the making of "aiming drill" a part of the ordinary instruction of infantry.

The commanding officers of the Fifth and Eleventh Brigades continue to devote much time and attention to their commands, and are entitled to receive credit for the marked improvement noticeable in the condition of their troops.

JNO. B. WOODWARD,
*Major-General.*

Major-General Franklin Townsend,
*Adjutant-General, State of New York.*

HEAD-QUARTERS SECOND DIVISION N. G., S. N. Y.,
BROOKLYN, *December 26th*, 1871.

MY DEAR COLONEL.—I regret not having seen you, as you passed through New York, on your return from Washington.

You will remember speaking to me in relation to suggestions on rifle practice, which might be submitted to the Adjutant-General, for incorporation in his annual report. I promised you to see Capt. Wingate, and ascertain from him what action was best to be recommended. He has sent me the inclosure, which, if you deem proper, you can show to the Adjutant-General, and if he approves of any part or the whole, we should be gratified to have him make the recommendations to the Governor.

The "*National Rifle Association*" will, I think, grow into a very important body, as we are filling our rolls with names of those who appreciate the necessity for, and are determined to urge the adoption by the National Guard of *rifle practice*. It is not only *common*, but almost *universally* the case, that the members of our First and Second Division Regiments serve their full enlistment, without having been, for a single hour, instructed in the *aiming* of their pieces, or given an opportunity to discharge them at a target.

I am, most truly yours,

JNO. B. WOODWARD.

Col. J. B. STONEHOUSE,
*Albany, N. Y.*

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The arming of the National Guard with breech-loaders has made it indispensable that provision should be made by the State for systematic instruction in rifle practice. While the Remington rifle is effective up to 1,000 yards, it is only so in the hands of those who understand how to use it. Moreover, the rapidity with which they can be fired makes the supplying of ammunition in the field a grave question, unless it be expended with discretion and skill. When properly used, this arm renders the troops using it almost irresistible, but if not so used, it becomes an element of weakness rather than strength, as the men waste more ammunition than they can carry. It is not, however, difficult to properly instruct the National Guard in this particular.

A system of "aiming drill" has been developed and thoroughly

tested by experience, by which a respectable degree of efficiency in the use of the rifle can be attained by such instruction and drill as may be had within the drill rooms of the National Guard, and which, when combined with a moderate degree of field practice, will render those drilled in it good marksmen, and no delay should be made in making it part of the military instruction of the National Guard. In furtherance of this purpose, the Quartermaster-General's Department should be authorized to purchase and issue iron targets, of the regulation size, and such mantlets (for the protection of markers), flags and other articles as are required to fit up a rifle range, in such places as a sufficient body of the National Guard are located as to warrant the expense, and where proper ground can be procured. An appropriation should also be made to hire or purchase proper grounds, it being recollected that modern rifle practice, being essentially a long-range system, all ranges must, to be valuable, be of a sufficient extent to afford a range of over 300 yards, and, to be most effective, should run up to 1,000. The appropriation is particularly needed to fit up a first-class range in the vicinity of the cities of New York and Brooklyn. The First and Second Divisions comprise a large majority of the best troops in the State, and, from their efficiency and central location, are usually called upon by the State in time of need, and who should, therefore, be instructed in the use of their weapons. It is therefore important that they should be provided with a rifle range, the more so as their mode of life prevents them from obtaining that skill in marksmanship which is so common in the rural districts, and the high price of land in accessible locations renders State aid necessary. From the neglect that has hitherto attended this important question, it has been no uncommon occurrence for a man to serve seven years in a first-class regiment and never fire a shot. Of course such a man, no matter how perfect his drill may be in other respects, is comparatively valueless as a soldier.

A number of the most prominent officers in these divisions, desiring to remedy this defect, have recently organized "The National Rifle Association," for the purpose of promoting the introduction of a system of aiming drill and rifle practice in the National Guard, and are now procuring the compilation of a manual upon that subject, to serve as a drill book. In this movement, these officers have had the hearty co-operation of the State authorities, and when that manual is completed, it is desirable that it be adopted as the official text book of the National Guard, and these gentlemen deserve and

should receive the commendation of the public in thus supplying a much needed work.

As the system is necessarily novel, to carry it thoroughly into effect, special provisions should be made. An officer should be added to the staff of the Governor, known as "INSPECTOR OF MUSKETRY," with general authority over the subject throughout the State, and a like officer to the staff of each Division Commander, with assistants throughout the Division Districts. Not only should suitable provision be made for the acquisition of rifle ranges, by lease, purchase or condemnation, and for the issuing of such articles as are required to fit them up, but authority should be given for the enforcement of such regulations as the public safety or the preservation of the targets, butts, etc. may require.

An annual allowance of sixty rounds of ball and forty rounds of blank cartridge should be made to each regiment, for each effective member, and a detailed return should be required of the manner in which it has been expended, so as to insure a proper improvement, and prevent a waste of public property, and a certain course of annual instruction should be prescribed. Ammunition should also be issued at cost, for private practice. It is believed that the introduction of a system of rifle practice will have a beneficial effect upon the National Guard, and particularly upon the organizations in the country. These, from the scattered residences of the men and the want of proper armories, cannot be expected to compete with the city organizations, in excellence of drill. In rifle practice, however, the advantage will be with them, and afford them a stimulous for exertion. To excite a healthful competition among the different regiments, the State should also make provision for a certain number of prizes, to be annually competed for. The results to be obtained by this course, are strikingly illustrated by the success that has attended its practice in England, and particularly in Canada. The matter was introduced into the latter country in 1861, and seventy iron targets, with the appurtenances, distributed among its militia, and suitable prizes offered. The number of targets being found inadequate, they have been added to yearly, and, in 1867, no less than 10,200 men were reported as having been regularly drilled in ball practice, using 100,000 rounds, while a like number of rounds, in excess of the government allowance, had been purchased for private practice, and the efficiency of the men had wonderfully increased; and this progress has since continued.

Their conduct during the twenty-four hours of successive service was in the highest degree commendable. But one case of misconduct of an officer is reported, and that is being attended to. A very small portion of the public press, and a few persons with biased and prejudiced minds, have endeavored to create an impression that some of the regiments acted hastily in firing on Eighth avenue, but by a careful perusal of the official reports of all the principal commanding officers, and a minute personal inquiry of the officers engaged, and of the citizens residing in the neighborhood, into the circumstances attending the *melee*, I have failed to discover sufficient cause for the statements made. An official report of operations of a military body is not the place to discuss the merits of any proposition touching the conduct of the troops that does not emanate from the recognized source of military authority. But as so much has been said by certain classes, and so much has been written calculated to bring into disrepute at least a portion of that organization, which alone can protect and defend law-abiding citizens in their rights of person and property in times of riot and anarchy, that I will be pardoned for assuming the guardianship of the honor and reputation of that part which I have the honor to command, so far as to declare my belief that what is said or written about the misconduct of the troops on the 12th inst. has a partisan origin and an unmanly aim. Letters of thanks from citizens in the neighborhood of the riot, for the services rendered by the troops, confirm the official reports of the officers. The testimony is abundant to show that long before the troops retaliated, fire-arms were discharged, and missiles of all kinds thrown at them from the sidewalks, windows and house-tops; and it was not until an officer of the Eighty-fourth had been struck down by a missile thrown from a house-top, one of the men shot in the head and another received a flesh wound, two men of the Ninth killed outright, a number wounded, and three of the Sixth wounded, that fire was opened on the mob. It is the opinion of the most experienced officers of the police force and military present, that the troops did not fire any too soon; that, in a very few minutes more, it would have been difficult, if not impossible, to overpower the mob, and that the lives lost at Eighth avenue and Twenty-fourth street saved the sacrifice of a much greater number at some other point. None can sympathize more deeply with the families that suffered by the unfortunate occurrences of the 12th inst. than do the men whose duty required them to use their weapons in sustaining the civil

authorities and in defense of themselves; and it is not unreasonable to hope that, while all are deploring the circumstances which made a resort to the use of arms necessary, the public will not be unmindful of the bereaved families of the dead and suffering members of the National Guard.

The extremely delicate service of General Varian, in commanding the escort to the procession, was performed in a highly creditable manner, and to my satisfaction, and it would be unjust to meritorious officers not to record herein my conviction, that the regimental commanders of the escort acted with coolness and discretion; that the officers, and men under them, discharged their duty, under circumstances calculated to excite and aggravate the most experienced troops, and are entitled, therefore, to the commendation of their superior officers. The orders issued from time to time were obeyed by all the commands on duty with an alacrity rarely witnessed, giving abundant evidence that the National Guard stand, at all times, ready to sustain the civil authorities in maintaining law and order against all aggressors.

To the members of my staff, who, from early morning of the 12th until noon of the 13th were actively engaged, without rest, I am indebted for the prompt delivery of orders and dispatches, and other valuable assistance.

I desire, also, to record my acknowledgments for the professional services of Surgeon Cheseman, formerly of the 7th regiment, which were kindly volunteered and accepted early on the morning of the 12th.

Permit me, in conclusion, while alluding to the meritorious services of those under my command, to confirm what the public press have already said of the gallant conduct of the police force engaged on that day. It was my duty to keep in constant communication with the Commander-in-Chief and the police authorities from early morning until the excitement in the public mind had subsided. At headquarters but one sentiment actuated the officers on duty, from the President of the Department, Mr. Henry Smith and his colleagues of the Board of Commissioners, and Superintendent Kelso and his subordinate officers, and that was to do their whole duty, in the most prompt and energetic manner. The movements of the detachments were made with the greatest celerity, and the officers of the National Guard who witnessed their operations, in attacking the mob at different points, unite in giving the highest praise for the courage

and dash displayed in making attacks, as well as the patient coolness manifested while exposed to the abusive epithets and dangerous assaults of the mob. Their valor was conspicuous, and entitles them not only to the respect of their superiors, but to the confidence of the public at large. While New York possesses so brave and self-sacrificing a body of protectors, she has little to fear from internal dissensions.

Very respectfully yours,

ALEXANDER SHALER,
*Major-General Commanding.*

To COL. JOHN B. STONEHOUSE,
*Ass't Adjutant-General State of New York.*

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HEAD-QUARTERS FIRST DIVISION N. G., S. N. Y.,
NEW YORK, *November* 17, 1871.

GENERAL.—I have the honor to report that, in obedience to a demand made by the Police Department of the city of New York, dated November 4, 1871, I ordered the Seventh, Twelfth, Twenty-second and Seventy-first Regiments to assemble at their armories at 6 o'clock, A. M., on the 7th instant, the same being the day of the State election, and hold themselves in readiness for active service. One company of the Twelfth Regiment being sent to the State Arsenal, corner of Seventh avenue and Thirty-fifth street, for the protection of the property, and detachments, in civilians' clothes, being sent to the armories of the 9th and 11th regiments, where new breech-loading rifles and ammunition had been deposited the day before. Brigadier-Generals W. G. Ward, 1st Brigade, and Augustus Funk, 2d Brigade, were on duty from the assembly until the dismissal of the troops. Two companies from each regiment were relieved alternately, for two hours at a time, to allow them to vote, until all the men had the opportunity, if they so desired. At 10½ o'clock, P. M., no call having been made for the active services of the troops, all were dismissed.

Very respectfully,

ALEXANDER SHALER,
*Major-General.*

Major-General F. TOWNSEND,
*Adjutant-General State of New York.*

HEAD-QUARTERS, TWENTY-FIFTH BRIGADE, N. Y. S. N. G.,
ROCHESTER, N. Y., *May 9th*, 1871.

GENERAL.—Inclosed please find report required to be made by section 242 of the Military Code.

Very respectfully,

C. H. CLARK,
*Brig.-General.*

General FRANKLIN TOWNSEND,
*Adjutant-General S. N. Y.*

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HEAD-QUARTERS, TWENTY-FIFTH BRIGADE, N. Y. S. N. G.,
ROCHESTER, N. Y., *May 8th*, 1871.

To His Excellency JOHN T. HOFFMAN,
*Commander-in-Chief:*

Pursuant to section 242 of the Military Code, I have the honor to report that on the 4th day of May, instant, at about three o'clock, P. M., I received from the sheriff of Monroe county, J. B. Campbell, Esq., a call for two companies of the military under my command in aid of the civil authorities. A copy of such requisition is hereto annexed, and marked schedule A.

Upon receipt of the same, I immediately issued an order to Col. J. G. Baetzel, commanding Fifty-fourth Regiment, requiring him to detail the two senior companies of his command for the purposes required. A copy of that order is annexed, and marked schedule B.

The two companies soon after assembled, and at seven o'clock, with tents and ammunition, proceeded via New York Central and Hudson River railroad to Fairport, some eleven miles from Rochester, where they disembarked, and marched some two miles to the place indicated, and, shortly before ten o'clock in the evening, reported themselves ready for duty. Tents were pitched, guards established, rations served, and duties then commenced.

The occasion for the call is stated generally in the order of the sheriff. The circumstances in particular are, that an extensive break in the Erie canal had occurred at the place called Oxbow, and the contractor of repairs upon that section had assembled a very large number of men to make the repairs. To the laborers he was paying two dollars and fifty cents per day, and for teams, six dollars per day. These had been at work for a day or two, satisfied with the price

paid, but, on the 4th day of May, quite a number demanded three dollars per day, and for teams, eight dollars per day. The contractor not complying, they stopped work, and by throwing stones and pushing teams and wagons down the embankments, compelled the whole to stop, and then conducted themselves so riotously that the civil and military authorities were called to quell the disturbance and preserve the peace.

The special train which carried the detachment was furnished by the Hon. Lewis Selye, the contractor; the rations are furnished by the same person. The tents used are the property of the regiment.

The two companies of the National Guard are Co. B, Captain F. C. Schoen, commanding, with two lieutenants and fifty-six non-commissioned officers and privates; and Co. E, Captain H. B. Henderson, with one lieutenant and thirty-six non-commissioned officers and privates, in all, ninety-seven commissioned and non-commissioned officers and privates.

It is anticipated that their presence will be required until the repairs are completed and laborers paid up. I beg leave to commend the officers and men to your favorable consideration for the alacrity with which they responded to the call made upon them.

All of which is respectfully submitted.

C. H. CLARK,
*Brig.-General.*

SCHEDULE A.

Brig.-General CHARLES H. CLARK,
*Commanding Twenty-fifth Brigade N. G., S. N. Y.:*

GENERAL.—A riot and breach of the peace having occurred in the town of Perrinton, in the county of Monroe, I, the sheriff of said county, do hereby, in pursuance of the statute in such case made and provided, require you, with two companies of the military under your command, armed and equipped as the law directs, to aid me in quelling said riot and breach of the peace; and that you report yourself forthwith to me, at the armory, in the city of Rochester, with two companies of the men under your command, ready for service.

P. B. CAMPBELL,
*Sheriff of Monroe Co.*

ROCHESTER, *May 4th*, 1871.

SCHEDULE B.

HEAD-QUARTERS, TWENTY-FIFTH BRIGADE, N. Y. S. N. G.,
ROCHESTER, N. Y., *May 4th*, 1871.

SPECIAL ORDERS,
No. 2.

Colonel. J. Geo. Baetzel will detail from his command forthwith, the two senior companies, to proceed with me to Oxbow bend, Fairport, armed and equipped, and provided each with forty rounds of ball cartridge, there to perform such duties as may be required of them.

C. H. CLARK,
*Brig.-General.*

Lieut.-Col. W. C. STONE,
*A. A. General.*

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HEAD-QUARTERS TWENTY-FIFTH BRIGADE, N. Y. S. N. G.,
ROCHESTER, N. Y., *August 15th*, 1871.

To His Excellency JOHN T. HOFFMAN,
*Governor and Commander-in-Chief S. N. Y.:*

Pursuant to Section 242 of the Military Code, I have the honor respectfully to report:

That, on the 9th day of August, 1871, I received from the sheriff of Monroe county a requisition for two companies of the National Guard, to aid him in the performance of his duty as such sheriff, and to preserve the peace.

A copy of the requisition is hereto annexed, and marked exhibit A.

Upon the receipt of such requisition, I immediately directed an order to be issued to J. George Baetzell, Colonel commanding the Fifty-fourth regiment, directing him to detail from his command two companies, one of which should be the senior company of his command, for the duties required of them.

A copy of such order is hereto annexed, marked exhibit B.

Thereupon, Colonel Baetzell detailed company E, Captain H. B. Henderson, who paraded with forty-four officers and privates, and company C, Captain F. A. Madden, who paraded with forty-nine officers and privates.

Good order was maintained, and the service of the detail was,

therefore, merely formal. At one o'clock P. M. the command was dismissed by the sheriff.

I have the honor to be, very respectfully,

C. H. CLARK,
*Brigadier-General.*

Brigadier-General C. H. CLARK:

SIR. — I, the undersigned, sheriff of Monroe county, do hereby, in pursuance of the statute in such case made and provided, require two (2) full companies of the Fifty-fourth Regiment, N. Y. S. N. G., under your command, armed and equipped as the law directs, to aid me in keeping the peace, at the execution of Joseph Messner, at the jail of Monroe county, in the city of Rochester, on the 11th day of August, 1871, and that the companies so ordered by you report to me at the said jail, in Monroe county, in said city, at 8½ o'clock, A. M., for service.

Dated, ROCHESTER, N. Y., *August 8th*, 1871.

JOS. B. CAMPBELL,
*Sheriff.*

A true copy.
W. C. STONE,
*Assistant Adjutant-General.*

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HEAD-QUARTERS TWENTY-FIFTH BRIGADE, N. Y. S. N. G.,
ROCHESTER, N. Y., *August 8th*, 1871.

SPECIAL ORDERS,
No. 12, C. S.

Pursuant to a requisition from the sheriff of Monroe county, Colonel J. Geo. Baetzel, commanding the Fifty-fourth Regiment, Twenty-fifth Brigade of the National Guard, will detail from his command, for such duty as may be required of them, two companies, of not less than forty men each, one of which shall be the senior company of his command, each fully uniformed, armed and equipped, and provided with thirty rounds of ball cartridge. The officer commanding the detail will report to the sheriff, at the county jail, in the city of

Rochester, on the 11th day of August, inst., at 8½ oclock, A. M. The Adjutant will furnish the Assistant-Adjutant-General of this Brigade, with a complete roster of the detail before leaving the arsenal.

By order of

C. H. CLARK,
*Brigadier-General.*

WM. C. STONE,
*Lieutenant-Colonel and Assistant Adjutant-General.*

To His Excellency JOHN T. HOFFMAN,
*Governor of the State of New York and Commander-in-Chief:*

The undersigned, commanding the Twenty-fifth Brigade in the Seventh Division of the National Guard of the State of New York, begs leave respectfully to report:

That on the 2d day of January, 1872, he received from the Hon. Joseph B. Campbell, sheriff of the county of Monroe, a requisition for one company of the National Guard under my command, to aid him in anticipation of riot, tumult and breach of the peace. This was speedily followed by several requisitions for increased force, till my whole command was ordered out.

Upon the receipt of these requisitions, I caused the necessary orders to be issued to the Fifty-fourth Regiment, and to the battalion of artillery attached to this brigade, to assemble and proceed to the aid of the sheriff, armed and equipped, and provided with twenty rounds of ball cartridge to each member of the infantry; the artillery with twenty rounds of grape.

The circumstances under which the requisition was made are these: The negro, Howard, who had committed a rape upon a little girl of about the age of nine years, under circumstances of peculiar atrocity, had been then recently arrested, and was confined in the jail of Monroe county. In the early part of the day (January 2), a mob had assembled, and endeavored to force the doors of the jail. With the aid of the police and his own deputies, the sheriff succeeded in holding his position, but as the day advanced and the night approached, the crowd increased in force and turbulence. The police were also required for night duty in other parts of the city, and the sheriff made his requisition for military aid.

As the members of the National Guard began to assemble, I sent to the arsenal Captain Conolly, my aid, with instructions to have

those who first arrived consolidated into one company, and, under the charge of the senior officer present, to advance at once to the assistance of the sheriff. This was done, and the detachment, under the command of Captain Schwartz, and made up of parts of three companies, went to the jail, arriving there at about six o'clock in the evening.

The approaches to the jail are, upon the east, by Court-street bridge, over the Genesee river; from the west, by a bridge over a race-way. These bridges were taken possession of and held. From the latter, Court street extends some two hundred feet to Exchange street. This street — a portion of a street — was filled with men, who very soon commenced using abusive and irritating language; then stones and pieces of broken ice were thrown at the men on duty, and occasionally a pistol was fired. Some of those on duty were disabled by these missiles, and the remainder became nervous and uneasy, and the officer in command selected fifteen privates as skirmishers, and ordered to charge bayonets. In advancing upon a charge, the musket of one of the privates was discharged, and, thereupon, some six or eight other scattering shots were fired. The result of that fire was that two persons were killed and four wounded. The crowd of people, which numbered at least two thousand, at once fell back to the west side of Exchange street, and to the north and south of Court street.

Within three minutes after the discharge of the muskets, I arrived upon the ground, and, from that time till morning, took personal supervision of affairs. The mob remained upon the ground, and continued during the night the same course of violent conduct and abusive language; no collision, however, occurred.

In the morning, the Fifty-fourth Regiment was assembled, and the battalion of artillery attached to this brigade, and, thereupon, I assumed the command of all the troops, established new guards, and entered into all the details of camp and garrison duty.

Nothing of any serious importance occurred from and after that day, and on Friday, the 5th January, the militia were relieved from duty and discharged.

Some criticism has been made upon the fact that the firing was done without orders. While I am not prepared to admit that, in no instance, should a private discharge his musket without orders, I acquiesce in it as a general rule; and, having been present, and felt the temper of the mob, and learned enough of the circumstances

attending the act to feel that it might be justified, have, therefore, ordered a court of inquiry to examine into the entire case.

All which is respectfully submitted.

C. H. CLARK,
*Brig.-General commanding Twenty-fifth Brigade, N. G., S. N. Y.*

ROCHESTER, *January* 11, 1872.

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HEAD-QUARTERS 106TH REGIMENT N. G., S. N. Y.,
ADDISON, *December 24th*, 1870.

To His Excellency JOHN T. HOFFMAN,
*Governor and Commander-in-Chief:*

Pursuant to Section 242, Military Code of the State of New York, I have the honor to make the following report of services rendered by the One Hundred and Sixth Regiment, N. G., S. N. Y., in suppressing riot at Hornellsville, December 17th, 18th, 19th and 20th. December 17th, 1870, at 11.30 A. M., I received the following dispatch from Gen. J. H. Lansing, General commanding 20th Brigade, 7th Division:

Colonel H. BALDWIN:

The Sheriff has called on me for men to suppress riot at Hornellsville. You will send him the men.

J. H. LANSING,
*General.*

At 12.30, I left this place with one hundred and ten men, armed and equipped, arriving at Hornellsville, with my command, at 2.30, P. M. I was there met by the sheriff of Steuben county, and by him was ordered to protect all property of the Erie Railway Company at that point, and to disperse all riotous assemblages of persons. I stationed guards along the railroad, to protect the property, and assisted in sending forward the live stock which had accumulated and been detained there for twenty-four hours. Several arrests were made by my men, of parties interfering. During the night of the 17th, I patrolled the grounds, preventing any outbreak or interference with the property. An oil train of upward of forty cars lay in the yard, over which I kept guard, to prevent it from being fired by the rioters.

On the morning of the 18th, the rioters increased in numbers and demonstrations. I also received additions to my force, numbering fifty men, belonging to companies A, B and C, which were then on duty. About ten o'clock, A. M., I was ordered by the sheriff to clear the depot, platform and grounds of all persons riotously assembled. I immediately proceeded to execute the order of the sheriff, and, meeting with resistance, I ordered a charge, and drove the crowd back at the point of the bayonet. In this charge two persons were injured—one by bayonet, and one by a pair of handcuffs (in the hands of Sergeant Wilson). The party thus injured was attempting to rescue a person whom I had arrested. The rioters having been driven from the grounds, guards were placed, so as to hold them back. Owing to the great number of strikers, and persons interfering with the railroad, it was with much difficulty trains could be moved, and it became necessary to place a guard on all trains moving either way, the railroad grade being heavy west, and the track having been greased and soaped by the rioters, about one mile west of the depot. The guards at that point were stoned and several hit; among the number was Lieutenant-Colonel Baxter. The rioters were protected from the range of our guns by an embankment. It being impossible to move the train started in that direction, it was backed down to the station, when two additional engines were put on, and then, under guard, it was successfully sent on to the next station. Soon after Lieutenant-Colonel Baxter and guards had returned to Hornellsville, a car was started from the station on the Summit, which came down past the Hornellsville depot at a fearful rate, but doing no further damage than injury to the car. Sunday night, the 18th, the grounds were patrolled and guarded, and no damage suffered to be done. During the day I was arrested, as was also Sergeant Wilson, by a warrant issued by Police Justice Howard, of Hornellsville, to which we answered by giving bail—myself $200 and the Sergeant $600. On my being arrested the second time, I announced my intention to resist any further arrests, should the justice issue any more warrants, the sheriff also declaring that my command was his *posse comitatus*, and that I should disregard any further warrants. On the morning of December 19th, the sheriff ordered me to call out the balance of the regiment. Orders were accordingly issued to the several commandants of companies. During the day no open opposition was offered; guards were kept up, and one arrest made, but the party was soon after discharged by

the sheriff. About 8 o'clock in the evening, a compromise was effected between the railway company and the strikers, and the riotous proceedings ceased. Tuesday morning, December 20th, I received the following order from the sheriff:

Col. Henry Baldwin,
*Commanding the* 106*th Regiment N. G., S. N. Y.*

Your services being no longer required by me to protect the property of the Erie railway, and assist me in preserving order and making arrests, you are hereby relieved.

(Signed) WILLIS E. CRAIG,
*Sheriff of Steuben County,*
By Prentice, *Deputy.*

Dated Hornellsville, *December* 20, 1870.

Allow me to add that everything was done by the railway company that would add to the comfort and safety of the soldiers, and that the National Guard of the State of New York, under my command, are worthy of the proud position they occupy, and of the confidence of their Commander-in-Chief.

All of which is respectfully submitted.

HENRY BALDWIN,
*Col. Commanding* 106*th Reg't, N. G., S. N. Y.*

(B.)

# REPORT OF COL. J. B. STONEHOUSE, ASS'T ADJ'T-GEN.,

AS TO THE

CONDITION OF THE CLAIMS OF THE STATE OF NEW YORK AGAINST THE UNITED STATES FOR WAR EXPENDITURES.

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General Head-quarters, State of New York,
Adjutant-General's Office, Albany, *Dec. 30th*, 1871.

To Major-General Franklin Townsend,
*Adjutant-General:*

General.—I have the honor to make the following report of the condition of the "War Claim" of the State of New York against the United States:

The amount stated in my last report as having been passed to the credit of the State, December 29, 1870, has been increased $17,227.84, making in all, $543,094.65 allowed since August 19th, 1870.

During the year 1871, the fourth installment has been prepared and presented to the Treasury Department, amounting to $364,107.07; this has been examined and passed upon by the War Department, and is in the hands of the Third Auditor.

Another installment, amounting to about $700,000, will be ready for presentation at an early day. I trust, by the end of the present year, to be able to report the allowance of a large amount in addition to the sum required to liquidate the balance due by the State on account of direct tax.

I am, General, very respectfully,
Your obedient servant,
J. B. STONEHOUSE,
*Assistant Adjutant-General.*

(C.)

# REPORT OF MISS L. DEMPSEY,

## IN CHARGE OF BUREAU OF MILITARY STATISTICS.

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BUREAU OF MILITARY STATISTICS,
ALBANY, *January* 1*st*, 1872.

Major-General FRANKLIN TOWNSEND,
*Adjutant-General:*

GENERAL.—I have the honor to submit, for your information, the following brief statement of the operations of this Bureau, for the year 1871.

Very respectfully,
L. DEMPSEY,
*In charge of Bureau of Military Statistics.*

Donations for the library of the Bureau have been received from the following sources:

Bureau of Statistics, Washington, D. C.
Canal Department, Albany, N. Y.
Clark, Francis D., New York city.
Fowler, Edward, New York city.
Harvey, Joseph, Luton, Canada.
Knox, E. B., Albany, N. Y.
Merritt, E. A., Potsdam, N. Y.
Nichols, George, Hon., Secretary of State of Vermont.
Nicholson, George S., Essex, N. Y.
Quartermaster-General's Department, Washington, D. C.
Smith, Mrs. J. Fellows, Jamestown, N. Y.
Swan, A. F., Cherry Valley, N. Y.
Taylor, A. H., Albany, N. Y.
Whitney, D. J., Albany, N. Y.

Contributions to our collection of portraits and relics have been received from the following donors:

Babcock, J. L., Troy, N. Y.
Burke, Jesse A., Albany, N. Y.
Davenport, L., New York city.
Jones, Mrs. J. A., Trenton, N. Y.
Knox, E. B., Albany, N. Y.
Palmer, H. J., Troy, N. Y.
Stone, H., Troy, N. Y.
Terrell, Gen'l Wm. H. H., Washington, D. C.

The addition to our library, during the year 1871, has been equal to that of the previous year. Contributions of from one to ten volumes of various works of interest have been acknowledged, consisting of histories of regiments, military biography, statistical reports, military reports, etc., giving us new pages for reference and research.

We have continued to receive general orders from the military departments of the United States; also, county papers from the different counties of New York.

New portraits have found a place among our large collection of photographs.

Upon our books for the registering of individual histories, we have recorded over one thousand additional names, giving brief facts of the soldier's civil and military career; while the research for information, and the gathering of statistics relating to deceased soldiers, cannot be estimated.

To our museum of relics we have received interesting and valuable mementoes of war times, their date reminding the visitor of the early days of revolutionary glory, or of the struggles and victories of a later day.

The number of visitors to the Bureau during the past year gives evidence of the interest that is still taken in the New York collection of war memorials. In the months of September and October, upon some days, our visitors numbered from five to six hundred a day; had this continued each day in the year our figures would have been large indeed for 1871, yet we can only estimate the whole number of visitors about 30,000 — number registered, 9,200. This, in comparing with the previous year, shows an increase in the number registered, yet a falling off in the total number, owing largely to the tedious excavation and impassable condition of State street during the summer months of travel, which, no doubt, denied many strangers a visit to the Bureau.

(D.)

# REGISTER

## OF THE MILITARY FORCE OF THE STATE OF NEW YORK.

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| COMMANDER-IN-CHIEF. | | | | | |
| John T. Hoffman | | | | | New York city. |
| *Adjutant-General.* | | | | | |
| Franklin Townsend | Jan. 1, 1871 | | | | Albany. |
| *Inspector-General.* | | | | | |
| James McQuade | Jan. 1, 1871 | Major-General. | | | Utica. |
| *Commissary-General and Chief of Ordnance.* | | | | | |
| Samuel W. Johnson | Dec. 1, 1870 | | | | Mamaroneck. |
| *Engineer-in-Chief.* | | | | | |
| William M. Tweed, Jr. | Jan. 1, 1871 | | | | New York city. |
| *Judge Advocate-General.* | | | | | |
| James B. Craig | Jan. 1, 1871 | | | | New York city. |
| *Surgeon-General.* | | | | | |
| Jacob S. Mosher | Jan. 1, 1871 | | | | Albany. |
| *Quartermaster-General.* | | | | | |
| Robert Lenox Banks | Jan. 1, 1871 | | | | Albany. |
| *Paymaster-General.* | | | | | |
| George J. Magee | Jan. 1, 1871 | | | | Watkins. |
| *Commissary-General of Subsistence.* | | | | | |
| Albert Steinway | Jan. 1, 1871 | | | | New York city. |
| *Aids-de-Camp.* | | | | | |
| Walter P. Warren | Jan. 1, 1871 | | | | Troy. |
| William F. Moller | Jan. 1, 1871 | | | | New York city. |
| Lester B. Faulkner | Jan. 1, 1871 | | | | Dansville. |
| Herman Uhl | Jan. 1, 1871 | | | | New York city. |
| Frank N. Lord | Jan. 1, 1871 | | | | Rochester. |
| *Military Secretary.* | | | | | |
| Frederick W. Hadfield | Feb. 2, 1871 | | | | New York city. |
| GENERAL OFFICERS. | | | | | |
| *Major-Generals.* | | | | | |
| Tilley R. Pratt | Jan. 26, 1865 | | | 4 | Watertown. |
| Rufus L. Howard | Feb. 10, 1865 | | | 8 | Buffalo. |
| Alexander Shaler | Jan. 24, 1867 | | | 1 | New York city. |
| Joseph B. Carr | Jan. 24, 1867 | | | 3 | Troy. |
| Henry A. Barnum | Jan. 24, 1867 | | | 6 | Syracuse. |
| Theodore B. Gates | Feb. 1, 1867 | | | 5 | Kingston. |
| John Williams | Jan. 20, 1869 | | | 7 | Rochester. |
| John B. Woodward | March 24, 1869 | | | 2 | Brooklyn. |
| *Brevet Major-General.* (By concurrent resolution of the Legislature of the State of New York, April 9th, 1866.) | | | | | |
| J. Watts DePeyster | April 9, 1866 | | | | Tivoli. |

Register of Military Force—(Continued).

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| *Brigadier-Generals.* | | | | | |
| John H. Chedell | July 30, 1857 | | 23 | 6 | Auburn. |
| Charles A. Hamilton | Feb. 28, 1860 | | 6 | 2 | Flushing. |
| Sylvester Dering | May 12, 1863 | | 21 | 6 | Utica. |
| John A. Green | June 10, 1863 | | 24 | 6 | Syracuse. |
| Elias A. Brown | Sept. 18, 1863 | | 13 | 3 | Minaville. |
| Zenus C. Priest | Nov. 13, 1863 | | 17 | 5 | Little Falls. |
| James Ryder | April 8, 1864 | | 7 | 2 | Southeast. |
| William R. Brown | April 8, 1864 | | 22 | 2 | Newburgh. |
| William F. Rogers | April 5, 1865 | | 31 | 2 | Buffalo. |
| Jacob H. Lansing | Feb. 15, 1866 | | 20 | 7 | Corning. |
| Henry D. Barto | Oct. 10, 1866 | | 28 | 6 | Trumansburgh. |
| Joshua M. Varian | Nov. 20, 1866 | | 3 | 1 | New York city. |
| William G. Ward | Dec. 24, 1866 | | 1 | 1 | New York city. |
| Andrew W. Brazee | Feb. 15, 1867 | | 32 | 8 | Lockport. |
| David M. Woodhall | March 28, 1867 | | 9 | 3 | Albany. |
| Bradley Winslow | April 4, 1867 | | 16 | 4 | Watertown. |
| Alonzo Alden | May 4, 1867 | | 10 | 3 | Troy. |
| George Beach | June 10, 1867 | | 8 | 5 | Catskill. |
| James Gibson | June 14, 1867 | | 12 | 3 | Salem. |
| Williams Martin | June 26, 1867 | | 18 | 5 | Hancock. |
| Jeremiah V. Mescrole | April 10, 1868 | | 11 | 2 | Brooklyn. |
| Charles H. Clark | May 24, 1869 | | 25 | 7 | Rochester. |
| Thomas S. Dakin | Nov. 6, 1869 | | 5 | 2 | Brooklyn. |
| Lewis A. Rhodes | July 30, 1870 | | 19 | 5 | Norwich. |
| Augustus Funk | Aug. 17, 1871 | | 2 | 1 | New York city. |

## ADJUTANT-GENERAL'S DEPARTMENT.

| | | | | | |
|---|---|---|---|---|---|
| ADJUTANT-GENERAL. *Major-General.* | | | | | |
| Franklin Townsend | Jan. 1, 1871 | | | | Albany. |
| ASSISTANT ADJUTANT GENERAL. *Colonel.* | | | | | |
| John B. Stonehouse | May 2, 1864 | | | | Albany. |
| ASSISTANT ADJUTANT-GENERALS OF DIVISIONS. *Colonels.* | | | | | |
| Andrew J. Smith | May 25, 1867 | | | 6 | Syracuse. |
| Theodore Tyrer | June 13, 1867 | | | 8 | Buffalo. |
| Theron F. Parsons | Feb. 1, 1869 | | | 7 | Rochester. |
| Henry E. Turner | June 22, 1869 | | | 4 | Lowville. |
| Henry Heath | Sept. 20, 1869 | | | 2 | Brooklyn. |
| Lee Chamberlin | Nov. 5, 1869 | | | 3 | Troy. |
| Wm. H. Chesebrough | June 10, 1870 | | | 1 | New York city. |
| Cornelius D. Westbrook | Aug. 24, 1870 | | | 5 | Kingston. |
| ASSISTANT ADJUTANT-GENERALS OF BRIGADES. *Lieutenant-Colonels.* | | | | | |
| John S. Dickerman | April 30, 1867 | | 9 | 3 | Albany. |
| Charles H. Van Brakle | May 1, 1867 | | 16 | 4 | Watertown |
| D. W. Knight | May 3, 1867 | | 20 | 7 | Corning. |
| Charles L. Brown | May 23, 1867 | | 22 | 2 | Newburgh. |
| William E. Kisselburgh | May 25, 1867 | | 10 | 3 | Troy. |
| William Robertson | June 17, 1867 | | 12 | 3 | Salem. |
| Timothy E. Ellsworth | June 21, 1867 | | 32 | 8 | Lockport. |
| Frederick M. Wheeler | July 1, 1867 | | 18 | 5 | Hancock. |
| Charles H. Burtis | July 25, 1867 | | 16 | 2 | Oyster Bay. |
| Ezra L. Walrath | Aug. 1, 1867 | | 24 | 6 | Syracuse. |
| James E. Curtis | Aug. 17, 1867 | | 17 | 5 | Little Falls. |
| James W. Bedell | Sept. 2, 1867 | | 7 | 2 | Somers. |
| Joseph Cornell | Sept. 7, 1868 | | 8 | 5 | Catskill. |
| James L. Anthony | Feb. 1, 1870 | | 1 | 1 | New York city. |
| William S. Bull | March 17, 1870 | | 31 | 8 | Buffalo. |
| Benjamin R. Robson | March 23, 1870 | | 21 | 6 | Utica. |
| William Seward, Jr. | April 1, 1870 | | 3 | 1 | New York city. |
| William C. Stone | June 15, 1870 | | 25 | 7 | Rochester. |
| Hiram S. Wheeler | Aug. 7, 1870 | | 19 | 5 | S. Otselic. |
| Edward H. Avery | Dec. 12, 1870 | | 23 | 6 | Auburn. |
| William R. Bunker | May 1, 1871 | | 11 | 2 | Brooklyn. |
| John A. Godfrey | Aug. 17, 1871 | | 2 | 1 | New York city. |
| Charles H. Van Allen | Nov. 15, 1871 | | 13 | 3 | Albany. |
| Fred. A. Mason | Dec. 18, 1871 | Brevet Colonel | 5 | 2 | Brooklyn. |

Register of Military Force — (Continued).

INSPECTOR-GENERAL'S DEPARTMENT.

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| INSPECTOR-GENERAL. *Brigadier-General.* | | | | | |
| James McQuade | Jan. 1, 1871 | Major-General | .... | ... | Utica. |
| ASSISTANT INSPECTOR-GENERAL. *Colonel.* | | | | | |
| John F. McQuade | Jan. 1, 1871 | ..... | .... | .... | Utica. |
| *Lieutenant-Colonel.* | | | | | |
| Benjamin W. Blanchard | July 10, 1871 | ..... | .... | .... | New York city. |
| INSPECTORS OF DIVISIONS. *Colonels.* | | | | | |
| Oscar Folsom | May 6, 1867 | ..... | .... | 8 | Buffalo. |
| Alfred Neafie | May 10, 1867 | ..... | .... | 5 | Ellenville. |
| John C. Carmichael | May 25, 1867 | ..... | ... | 6 | Cortland. |
| Henry T. Chapman, Jr | Dec. 28, 1868 | ..... | .... | 2 | Brooklyn. |
| George Hyland, Jr | Feb. 1, 1869 | ..... | .... | 7 | Dansville. |
| Floyd Hoard | June 22, 1869 | ..... | .... | 4 | Watertown. |
| J. Henry Liebenau | Sept. 24, 1870 | Brig.-General | .... | 1 | New York city. |
| Jacob C. Cuyler | Nov. 15, 1870 | ..... | .... | 3 | Albany. |
| INSPECTORS OF BRIGADES. *Majors.* | | | | | |
| S. Emmett Getty | Feb. 15, 1859 | ..... | 7 | 2 | Yonkers. |
| James M. Johnson | May 18, 1864 | ..... | 31 | 8 | Buffalo. |
| Theodore F. Petrie | July 6, 1865 | ..... | 19 | 5 | Norwich. |
| Abel G. Cooke | Sept. 27, 1865 | ..... | 24 | 6 | Syracuse. |
| Obadiah J. Downing | Oct. 4, 1865 | ..... | 6 | 2 | Mineola. |
| Koert S. Van Voorhees | Oct. 12, 1865 | Colonel | 28 | 6 | Trumansburgh. |
| O. F. Wentworth | Dec. 22, 1866 | Colonel | 3 | 1 | New York city. |
| Edward Gilon | April 29, 1867 | ..... | 1 | 1 | New York city. |
| Joel B. Baker | June 21, 1867 | ..... | 32 | 8 | Cambria. |
| George O. Mead | July 1, 1867 | ..... | 18 | 5 | Walton. |
| Edgar Russell | July 8, 1867 | ..... | 8 | 5 | Catskill. |
| George T. Hollingworth | July 30, 1867 | ..... | 21 | 6 | Utica. |
| William H. H. Lintner | Jan. 1, 1868 | ..... | 17 | 5 | Little Falls. |
| Will Rumsey | April 4, 1868 | Colonel | 20 | 7 | Bath. |
| James Gibson, Jr | Dec. 24, 1868 | ..... | 12 | 3 | Salem. |
| George McComber | May 8, 1869 | ..... | 16 | 4 | Watertown. |
| Benjamin Ridley | Oct. 13, 1869 | ..... | 25 | 7 | Rochester. |
| George H. Otis | Jan. 19, 1870 | ..... | 10 | 3 | Troy. |
| William C. Dickell | Jan. 28, 1870 | ..... | 2 | 1 | New York city. |
| William H. Coughlin | Sept. 12, 1870 | ..... | 5 | 2 | Brooklyn. |
| Seymour Birch | Sept. 22, 1870 | ..... | 13 | 3 | Amsterdam. |
| Theodore Livingston | May 1, 1871 | ..... | 11 | 2 | Brooklyn. |
| Edward A. Thomas | Jan. 25, 1871 | ..... | 23 | 6 | Auburn. |
| G. Fred. Wiltsie | March 1, 1871 | ..... | 22 | 5 | Newburgh. |
| Frederick T. Martin | Nov. 1, 1871 | ..... | 9 | 3 | Albany. |

DEPARTMENT OF THE COMMISSARY-GENERAL AND CHIEF OF ORDNANCE.

| | | | | | |
|---|---|---|---|---|---|
| COMMISSARY-GENERAL AND CHIEF OF ORDNANCE. *Brigadier-General.* | | | | | |
| Samuel Wm. Johnson | Dec. 1, 1870 | ..... | .... | .... | New York city. |
| ASSISTANT COMMISSARY-GENERAL OF ORDNANCE. *Colonel.* | | | | | |
| James Creney | Jan. 1, 1869 | ..... | .... | .... | Brooklyn. |
| CHIEFS OF ARTILLERY. *Colonels.* | | | | | |
| Daniel W. Teller | March 17, 1870 | ..... | .... | 1 | New York city. |
| Ira L. Bebee | April 26, 1870 | ..... | .... | 2 | Brooklyn. |
| Gilbert H. Reynolds | July 1, 1870 | ..... | .... | 7 | Rochester. |
| John Derrenbacher | July 26, 1870 | ..... | .... | 5 | Rondout. |
| John E. Marshall | Sept. 6, 1870 | ..... | .... | 8 | Buffalo. |
| John Demong | May 7, 1871 | ..... | .... | 6 | Syracuse. |
| ORDNANCE OFFICERS OF DIVISIONS. *Lieutenant-Colonels.* | | | | | |
| Joseph Egolf | May 4, 1867 | ..... | .... | 3 | Troy. |
| George W. Wiggins | May 4, 1867 | ..... | ... | 4 | Adams. |

Register of Military Force — (Continued).

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| Charles T. Redfield | May 25, 1867 | | | 6 | Syracuse. |
| William C. Bush | Feb. 1, 1869 | | | 7 | Rochester. |
| John E. Fay | March 25, 1869 | | | 2 | Brooklyn. |
| H. Dwight Laflin | July 26, 1870 | | | 5 | Saugerties. |
| Frank W. Fisk | Sept. 6, 1870 | | | 8 | Buffalo. |
| John Fowler, Jr | Jan. 1, 1871 | Colonel | | 1 | New York city. |
| ORDNANCE OFFICERS OF BRIGADES. *Captains.* | | | | | |
| Abram P. Smith | May 23, 1867 | | 28 | 6 | Cortland. |
| John A. Wolcott | June 21, 1867 | | 32 | 8 | Lockport. |
| Harry Dowie | July 1, 1867 | | 18 | 5 | Andes. |
| Osmar V. Sage | July 8, 1867 | | 8 | 5 | Prattsville. |
| Louis T. Sherill | July 22, 1867 | | 21 | 6 | New Hartford. |
| Horace F. Curtis | July 25, 1867 | | 6 | 2 | Deer Park. |
| John W. Wait | July 31, 1867 | | 12 | 3 | Sandy Hill. |
| Philip P. Middler | Aug. 1, 1867 | | 24 | 6 | Syracuse. |
| William C. Winne | Feb. 26, 1868 | | 10 | 3 | Troy. |
| Gayer Gardner | April 15, 1868 | | 31 | 8 | Buffalo. |
| M. Harry Moody | Oct. 27, 1868 | | 11 | 2 | Brooklyn. |
| Charles H. Thompson | Oct. 4, 1869 | Colonel | 20 | 7 | Corning. |
| Joseph Requa | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| Samuel W. Bridgman, Jr. | Nov. 17, 1870 | | 1 | 1 | New York city. |
| Martin P. Vosburgh | Sept. 1, 1870 | | 19 | 5 | Norwich. |
| Cyrus B. Chase | Sept. 10, 1870 | | 13 | 3 | Amsterdam. |
| Calvin Willers | Dec. 12, 1870 | | 23 | 6 | Varick. |
| Edward S. Fowler | March 1, 1871 | | 22 | 2 | Newburgh. |
| Russell H. Robbins | April 20, 1871 | | 3 | 1 | New York city. |
| Constant White | July 4, 1871 | | 7 | 2 | Yorktown. |
| Jeremiah T. Smith | Aug. 17, 1871 | | 2 | 1 | New York city. |
| F. L. Woolley | Sept. 18, 1871 | | 16 | 4 | Watertown. |
| Josiah S. Colgate | Oct. 2, 1871 | | 5 | 2 | Brooklyn. |
| Charles E. Van Zandt | Nov. 3, 1871 | | 9 | 3 | Albany. |

## DEPARTMENT OF ENGINEER-IN-CHIEF.

| | | | | | |
|---|---|---|---|---|---|
| ENGINEER-IN-CHIEF. *Brigadier-General.* | | | | | |
| William M. Tweed, Jr | Jan. 1, 1871 | | | | New York city. |
| ENGINEERS OF DIVISIONS. *Colonels.* | | | | | |
| George C. Hall | March 26, 1865 | | | 2 | Brooklyn. |
| John H. Quackenbush | May 4, 1867 | | | 3 | Troy. |
| Horace O. Gilmore | May 4, 1867 | | | 4 | Dexter. |
| Stephen A. Estes | May 30, 1867 | | | 6 | Syracuse. |
| Addison J. Clements | Oct. 16, 1869 | | | 5 | Hancock. |
| Henry S. Kearney | Sept. 24, 1870 | | | 1 | New York city. |
| Henry C. Frost | July 1, 1870 | | | 7 | Rochester. |
| Albert J. Barnard | Sept. 6, 1870 | | | 8 | Buffalo. |
| ENGINEERS OF BRIGADES. *Majors.* | | | | | |
| George W. Peck | Nov. 15, 1862 | | 23 | 6 | Auburn. |
| James Stevens | June 15, 1863 | | 21 | 6 | Rome. |
| Charles Caldwell | Jan. 14, 1865 | | 22 | 2 | Newburgh. |
| George D. W. Clinton | April 4, 1865 | | 31 | 8 | Buffalo. |
| Gates H. Barnard | May 25, 1867 | | 10 | 3 | Troy. |
| Daniel W. Van Horn | June 21, 1867 | | 32 | 8 | Lockport. |
| James H. Knapp | July 1, 1867 | | 18 | 5 | Deposit. |
| Horatio N. White | Aug. 1, 1867 | | 24 | 6 | Syracuse. |
| Milo C. Osborn | Aug. 3, 1867 | | 8 | 5 | Windham Centre |
| Albert Storey | Aug. 17, 1867 | | 17 | 5 | Little Falls. |
| William W. Baxter | Aug. 24, 1867 | | 12 | 3 | Salem. |
| Charles D. Champlin | Jan. 1, 1868 | | 20 | 7 | Hammondsport. |
| Effingham H. Putman | July 16, 1868 | | 13 | 3 | Amsterdam. |
| Joseph C. Harding | Oct. 27, 1868 | | 11 | 2 | Brooklyn. |
| Warren Halsey | Dec. 21, 1868 | | 28 | 6 | Trumansburgh. |
| Alfred J. Casse | July 2, 1869 | | 16 | 4 | Watertown. |
| Arndt Rosenthal | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| William H. Thompson | Nov. 22, 1869 | | 5 | 2 | Brooklyn. |
| Edwin F. Cole | Dec. 15, 1869 | | 7 | 1 | New York city. |
| John T. Denny | Nov. 7, 1870 | | 1 | 1 | New York city. |
| Abner Mellen, Jr | Feb. 7, 1870 | | 3 | 1 | New York city. |
| Lansing Pruyn, Jr | Oct. 22, 1870 | | 9 | 3 | Albany. |
| Nathan P. Wheeler | Oct. 22, 1870 | | 19 | 5 | Norwich. |
| John Satlig | Aug. 17, 1871 | | 2 | 1 | New York city. |

Register of Military Force—(Continued).

## DEPARTMENT OF JUDGE ADVOCATE-GENERAL.

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| JUDGE ADVOCATE-GENERAL. *Brigadier-General.* | | | | | |
| James B. Craig | Jan. 1, 1871 | | | | New York city. |
| JUDGE-ADVOCATES OF DIVISIONS. *Colonels.* | | | | | |
| Azariah H. Sawyer | Feb. 15, 1865 | | | 4 | Watertown. |
| Lyman K. Bass | March 23, 1865 | | | 8 | Buffalo. |
| John Oakey | March 7, 1867 | | | 1 | New York city. |
| John W. Young | May 10, 1867 | | | 5 | Cooperstown. |
| Edward B. Lansing | May 25, 1867 | | | 6 | Auburn. |
| Henry J. Cullen, Jr | March 25, 1869 | | | 2 | Brooklyn. |
| Edgar L. Fursman | Dec. 1, 1870 | | | 3 | Troy. |
| John W. Kelly | Nov. 10, 1871 | | | 7 | Rochester. |
| JUDGE-ADVOCATES OF BRIGADES. *Majors.* | | | | | |
| Alonzo G. Beardsley | Sept. 5, 1857 | | 23 | 6 | Auburn. |
| James W. Husted | July 4, 1860 | | 7 | 2 | Peekskill. |
| John C. Hunt | July 9, 1863 | | 24 | 6 | Syracuse. |
| James S. Davenport | July 28, 1864 | | 17 | 5 | Richfield Springs |
| James W. Taylor | Jan. 12, 1865 | | 6 | 2 | Flushing. |
| Henry Sherwood | June 1, 1866 | | 20 | 7 | Corning |
| George R. Schieffelin | Feb. 6, 1867 | | 1 | 1 | New York city. |
| Jerome B. Parmenter | May 25, 1867 | | 10 | 3 | Troy. |
| Richard Crowley | June 21, 1867 | | 32 | 8 | Lockport. |
| James B. Olney | July 8, 1867 | | 8 | 5 | Catskill. |
| Harvey S. Bedell | July 21, 1867 | | 21 | 6 | Rome. |
| John H. McFarland | July 31, 1867 | | 12 | 3 | Salem. |
| N. Curtis Marvin | Aug. 24, 1867 | | 18 | 5 | Walton. |
| Charles W. Sloat | Sept. 27, 1867 | | 16 | 4 | Pamelia. |
| George H. Fisher | May 8, 1868 | | 11 | 2 | Brooklyn. |
| James T. Kilbreth | April 8, 1869 | | 3 | 1 | New York city. |
| Albert G. Wheeler | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| William H. Scovill | May 26, 1870 | | 28 | 6 | Binghamton. |
| David H. Knapp | Aug. 7, 1870 | | 19 | 5 | Norwich. |
| Giles H. F. Van Horne | Sept. 10, 1870 | | 13 | 3 | Fonda. |
| David A. Scott | March 1, 1871 | | 22 | 2 | Newburgh. |
| John R. Fellows | Aug. 17, 1871 | | 2 | 1 | New York city. |
| John H. Bergen | Oct. 2, 1871 | | 5 | 2 | Brooklyn. |
| S. Douglass Cornell | Nov. 1, 1871 | | 31 | 8 | Buffalo. |
| John Gould | Nov. 1, 1871 | | 9 | 3 | Albany. |

## SURGEON-GENERAL'S DEPARTMENT.

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| SURGEON-GENERAL. *Brigadier-General.* | | | | | |
| Jacob S. Mosher | Jan. 1, 1871 | | | | Albany. |
| SURGEONS OF DIVISIONS. *Colonels.* | | | | | |
| Walter Carey | Feb. 16, 1848 | | | 8 | Buffalo. |
| John H. Benton | April 15, 1865 | | | 4 | Ogdensburgh. |
| Charles McMillan | March 7, 1867 | | | 1 | New York city. |
| Le Roy McLean | May 4, 1867 | | | 3 | Troy. |
| Robert Loughran | May 10, 1867 | | | 5 | Kingston. |
| Roger W. Pease | May 25, 1867 | | | 6 | Syracuse. |
| Joseph M. Homiston | April 11, 1869 | | | 2 | Brooklyn. |
| Jonas Jones | May 1, 1870 | | | 7 | Rochester. |
| SURGEONS OF BRIGADES. *Majors.* | | | | | |
| George J. Fisher | Sept. 1, 1853 | | 7 | 2 | Sing Sing. |
| Charles N. Tuttle | Sept. 1, 1858 | | 23 | 6 | Auburn. |
| Eli Fox | May 13, 1859 | | 17 | 5 | Mohawk. |
| Matthew H. Burton | June 15, 1860 | | 10 | 3 | Troy. |
| Edward E. Lee | May 8, 1865 | | 22 | 2 | Newburgh. |
| Joseph W. Robinson | Jan. 1, 1867 | | 20 | 7 | Hornellsville. |
| J. Delos Lewis | Jan. 28, 1867 | | 28 | 6 | Trumansburgh. |
| J. Mortimer Crane | May 1, 1867 | | 16 | 4 | Watertown. |
| Jeptha R. Boulware | May 9, 1867 | | 9 | 3 | Albany. |
| Martin S. Kittenger | June 21, 1867 | | 32 | 8 | Lockport. |
| William M. Bryce | July 1, 1867 | | 18 | 5 | Hamden. |
| Lysander W. Kennedy | July 31, 1867 | | 12 | 3 | Cambridge. |
| Ebenezer R. Mackay | April 10, 1868 | | 8 | 5 | Catskill. |
| Alexander Cochrane | May 8, 1868 | | 11 | 2 | Brooklyn. |
| Alonzo Putman | July 20, 1868 | | 13 | 3 | Amsterdam. |

Register of Military Force—(Continued).

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| George O. Starr | April 10, 1869 | | 1 | 1 | New York city. |
| Lewis P. Dayton | June 1, 1869 | | 31 | 8 | Buffalo. |
| William H. Briggs | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| J. Lester Keep | Nov. 22, 1869 | | 5 | 2 | Brooklyn. |
| George D. Whedon | April 16, 1870 | | 24 | 6 | Syracuse. |
| Benjamin F. Smith | Sept. 1, 1870 | | 19 | 5 | Mount Upton. |
| Edwin Hutchinson | June 12, 1871 | | 21 | 6 | Utica. |
| Augustus F. Frech | Aug. 17, 1871 | | 2 | 1 | New York city. |
| Walter M. Fleming | Oct. 10, 1871 | Colonel | 3 | 1 | New York city. |
| **QUARTERMASTER-GENERAL'S DEPARTMENT.** | | | | | |
| QUARTERMASTER-GENERAL. *Brigadier-General.* | | | | | |
| Robert Lenox Banks | Jan. 1, 1871 | | | | Albany. |
| QUARTERMASTERS OF DIVISIONS. *Lieutenant-Colonels.* | | | | | |
| Richard B. Huntington | May 4, 1867 | | | 4 | Adams. |
| John C. Broadhead | May 10, 1867 | | | 5 | Kingston. |
| Moses Summers | May 25, 1867 | | | 6 | Syracuse. |
| George Darling | Feb. 1, 1869 | | | 7 | Rochester. |
| Charles P. Gulick | March 25, 1869 | | | 2 | Brooklyn. |
| John P. Kane | Nov. 5, 1869 | | | 3 | Troy. |
| Gibson F. Howard | Sept. 6, 1870 | | | 8 | Buffalo. |
| James O'Beirne | Oct. 17, 1871 | | | 1 | New York city. |
| QUARTERMASTERS OF BRIGADES. *Captains.* | | | | | |
| Nathan Easterbrook | July 15, 1864 | | 17 | 5 | Little Falls. |
| Reuben E. Robie | June 1, 1866 | | 20 | 7 | Bath. |
| Alonzo C. Yates | July 6, 1866 | | 20 | 6 | Syracuse. |
| Eli S. Nichols | June 21, 1867 | | 32 | 8 | Lockport. |
| James Launt | July 1, 1867 | | 18 | 5 | Hamden. |
| John Townsend | July 25, 1867 | | 6 | 2 | Flushing. |
| David H. King | July 30, 1867 | | 12 | 3 | Fort Edward. |
| William W. Pierson | Sept. 2, 1867 | | 7 | 2 | White Plains. |
| Herbert D. Babbitt | May 8, 1869 | | 16 | 4 | Watertown. |
| S. Gilbert Evans | May 14, 1869 | | 11 | 2 | Brooklyn. |
| Harvey P. Langworthy | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| Rutger B. Miller, Jr. | March 23, 1870 | | 21 | 6 | Utica. |
| Uri C. Clark | Aug. 1, 1870 | | 28 | 6 | Ithaca. |
| Henry W. Reynolds | Sept. 10, 1870 | | 19 | 5 | Norwich. |
| John Howard Gray | Sept. 14, 1870 | | 3 | 1 | New York city. |
| David P. Wallis | Jan. 25, 1871 | | 23 | 6 | Auburn. |
| George W. Leonard | March 1, 1871 | | 22 | 2 | Newburgh. |
| John Warner | April 14, 1871 | | 13 | 3 | Amsterdam. |
| John Tallmadge | July 29, 1871 | | 10 | 3 | Troy. |
| Ephraim R. Steinhard | Aug. 17, 1871 | | 2 | 1 | New York city. |
| George A. Williams | Nov. 1, 1871 | | 31 | 8 | Buffalo. |
| Henry C. Littlefield | Nov. 20, 1871 | | 9 | 3 | Albany. |
| William W. Goodrich | Dec. 18, 1871 | | 5 | 2 | Brooklyn. |
| Alfred P. Friedenburgh | Dec. 20, 1871 | | 1 | 1 | New York city. |
| **PAYMASTER-GENERAL'S DEPARTMENT.** | | | | | |
| PAYMASTER-GENERAL. *Brigadier-General.* | | | | | |
| George J. Magee | Jan. 1, 1871 | | | | Watkins. |
| ASSISTANT PAYMASTER-GENERAL. | | | | | |
| John B. Leverich | Jan. 1, 1869 | | | | New York city. |
| **DEPARTMENT OF COMMISSARY-GENERAL OF SUBSISTENCE.** | | | | | |
| COMMISSARY-GENERAL OF SUBSISTENCE. *Brigadier-General.* | | | | | |
| Albert Steinway | Jan. 1, 1871 | | | | New York city. |
| COMMISSARIES OF SUBSISTENCE OF DIVISIONS. *Lieutenant-Colonels.* | | | | | |
| Alvin H. Hall | May 4, 1867 | | | 4 | Watertown. |
| D. Gage Berry | May 10, 1867 | | | 5 | Norwich. |
| Edwin W. Phillips | May 25, 1867 | | | 6 | Syracuse. |
| William H. Ward | Feb. 1, 1869 | | | 7 | Rochester. |
| Robert B. Woodward | March 25, 1869 | | | 2 | Brooklyn. |
| Ralph H. Plumb | Sept. 6, 1870 | | | 8 | Buffalo. |
| Robert C. Pruyn | Nov. 15, 1870 | | | 3 | Albany. |
| Frank Wrisley | Oct. 17, 1871 | | | 1 | New York city. |

Register of Military Force — (Continued).

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| COMMISSARIES OF SUBSISTENCE OF BRIGADES. *Captains.* | | | | | |
| James S. Leach | Dec. 24, 1864 | | 24 | 6 | Syracuse. |
| Herbert D. Rost | March 25, 1867 | | 20 | 7 | Hammondsport. |
| Charles O. Le Count | May 15, 1867 | | 7 | 2 | New Rochelle. |
| Daniel G. Brown | May 23, 1867 | | 22 | 2 | Newburgh. |
| James L. Stone | May 23, 1867 | | 28 | 6 | Trumansburgh. |
| Hazard H. Sheldon | June 21, 1867 | | 32 | 8 | Niagara Falls. |
| Moses S. Wilcox | July 1, 1867 | | 18 | 5 | Jefferson. |
| William H. Hamilton | July 25, 1867 | | 6 | 2 | Flushing. |
| James Smith | Aug. 17, 1867 | | 17 | 5 | Little Falls. |
| James L. Reynolds | Aug. 24, 1867 | | 12 | 3 | Fort Edward. |
| Darwin R. James | May 8, 1868 | | 11 | 2 | Brooklyn. |
| John D. Probst | May 27, 1868 | | 1 | 1 | New York city. |
| John W. Veeder | Aug. 1, 1868 | | 13 | 3 | Schenectady. |
| Charles E. Leland | Oct. 6, 1868 | | 9 | 3 | Albany. |
| George M. Weaver | June 1, 1869 | | 21 | 6 | Utica. |
| Robert E. Sherlock | Oct. 13, 1869 | | 25 | 7 | Rochester. |
| Cornelius Platner | Dec. 28, 1869 | | 8 | 5 | Prattsville. |
| James G. Patton | June 9, 1870 | | 10 | 3 | Troy. |
| Henry B. Harrington | Sept. 1, 1870 | | 19 | 5 | New Berlin. |
| James S. Chase | Sept. 10, 1870 | | 31 | 8 | Buffalo. |
| Orren G. Staples | Sept. 26, 1870 | | 16 | 4 | Watertown. |
| James S. Lyon | Jan. 25, 1871 | | 23 | 6 | Auburn. |
| Richard M. Tweed | Jan. 26, 1871 | | 3 | 1 | New York city. |
| Jacob W. Scheu | Aug. 17, 1871 | | 2 | 1 | New York city. |
| William Schwarzwaelder | Dec. 18, 1871 | | 5 | 2 | Brooklyn. |
| ASSISTANT COMMISSARIES OF SUBSISTENCE. *Captains.* | | | | | |
| John Tolles | April 4, 1867 | | | | Cameron Mills. |
| William P. Roome | June 21, 1867 | | | | New York city. |
| Isaac P. Chambers | Sept. 11, 1867 | | | | New York city. |
| Samuel B. Lawrence | Oct. 11, 1867 | | | | New York city. |
| Eugene T. Curtis | Nov. 10, 1868 | | | | Rochester. |
| Joseph T. Casey | Nov. 7, 1869 | | | | New York city. |
| **AIDES-DE-CAMP.** | | | | | |
| AIDES-DE-CAMP OF DIVISIONS. *Majors.* | | | | | |
| Romeyn Freeman | May 4, 1867 | | | 4 | Watertown. |
| Edward Massey | May 4, 1867 | | | 4 | Watertown. |
| James H. Hinman | May 25, 1867 | | | 6 | Syracuse. |
| Henry D. Brewster | May 25, 1867 | | | 6 | Syracuse. |
| Carl Jussen | Oct. 14, 1868 | | | 1 | New York city. |
| George H. Clark | Feb. 1, 1869 | | | 7 | Rochester. |
| Henry E. Cranford | March 25, 1869 | | | 2 | Brooklyn. |
| Isaac F. Bissell | June 1, 1869 | | | 2 | Brooklyn. |
| Richard P. Haymar | June 21, 1870 | | | 5 | Kingston. |
| Simeon Stittheimer | July 1, 1870 | | | 7 | Rochester. |
| James H. Everett | Aug. 24, 1870 | | | 5 | Kingston. |
| Theodore D. Barnum | Sept. 6, 1870 | | | 8 | Buffalo. |
| John R. Dobbins | Sept. 16, 1870 | | | 8 | Buffalo. |
| John Mechan | Oct. 11, 1870 | | | 1 | New York city. |
| Augustus P. Corse | May 26, 1871 | | | 3 | Troy. |
| AIDES-DE-CAMP OF DIVISIONS. *Captains.* | | | | | |
| John Dunn | May 25, 1867 | | | 6 | Syracuse. |
| Whitney Williams | Feb. 1, 1869 | | | 7 | Rochester. |
| Norris W. Munday | June 29, 1869 | | | 4 | Watertown. |
| John W. Little | Aug. 24, 1870 | | | 5 | Newburgh. |
| Thomas Fairgrieve | Sept. 24, 1870 | | | 1 | New York city. |
| Francis E. Dodge | Oct. 17, 1870 | | | 2 | Brooklyn. |
| Isaac F. Handy | June 17, 1871 | | | 3 | Troy. |
| AIDES-DE-CAMP OF BRIGADES. *Captains.* | | | | | |
| Chauncy M. Depew | May 21, 1864 | | 7 | 2 | Peekskill. |
| Charles H. Wambaugh | June 1, 1866 | | 20 | 7 | Addison. |
| Samuel W. Sherlock | July 4, 1866 | | 24 | 6 | Syracuse. |
| Charles P. Barto | Jan. 24, 1867 | | 28 | 6 | Trumansburgh. |
| Rowland M. Hall | Feb. 6, 1867 | | 1 | 1 | New York city. |
| William M. Swartwout | May 25, 1867 | | 10 | 3 | Troy. |
| Alfred B. Keirsted | July 1, 1867 | | 18 | 5 | Cadosia Valley. |
| Henry M. Starr | July 5, 1867 | | 32 | 8 | Medina. |

Register of Military Force — (Continued).

| NAME. | Date of rank. | Brevet rank. | Brigade. | Division. | Residence. |
|---|---|---|---|---|---|
| John Pindar | July 8, 1867 | | 8 | 5 | Catskill. |
| Edward H. Nicoll | July 25, 1867 | | 6 | 2 | Mystic. |
| Zenas P. Ruggles | Aug. 24, 1867 | | 12 | 3 | Fort Edward. |
| Wallace Gleason | Oct. 8, 1867 | | 10 | 3 | Henderson. |
| James N. Connolly | June 30, 1869 | | 25 | 7 | Rochester. |
| John L. Burleigh | Nov. 22, 1869 | | 5 | 2 | Brooklyn. |
| William G. Fargo, Jr. | Jan. 21, 1870 | | 31 | 8 | Buffalo. |
| Joshua M. Varian, Jr. | Feb. 7, 1870 | | 3 | 1 | New York city. |
| William H. Langley | June 15, 1870 | | 5 | 2 | Brooklyn. |
| Rush W. Carrier | Sept. 1, 1870 | | 19 | 5 | Sherburne. |
| Walter S. Van Vorst | Sept. 10, 1870 | | 13 | 3 | Schenectady. |
| David Brown | Jan. 24, 1871 | | 22 | 5 | Newburgh. |
| Charles A. Smith | Jan. 25, 1871 | | 23 | 6 | Auburn. |
| Harold L. Crane | May 1, 1871 | | 11 | 2 | Brooklyn. |
| Jared M. Oakley | July 1, 1871 | | 21 | 6 | Utica. |
| John H. French | Aug. 17, 1871 | | 2 | 1 | New York city. |
| Charles Gould | Dec. 18, 1871 | | 9 | 3 | Albany. |
| AIDES-DE-CAMP OF BRIGADES. | | | | | |
| *First Lieutenants.* | | | | | |
| C. Leslie Martin | July 1, 1867 | | 18 | 5 | Hancock. |
| Samuel K. Greene | July 5, 1867 | | 32 | 8 | Bergen. |
| George P. Smith | July 25, 1867 | | 6 | 2 | Flushing. |
| William Duncan | Aug. 1, 1867 | | 24 | 6 | Syracuse. |
| William Donohue | Aug. 7, 1867 | | 8 | 5 | Catskill. |
| William Metcalf | Nov. 1, 1867 | | 21 | 6 | Utica. |
| William W. Mali | May 27, 1868 | | 1 | 1 | New York city. |
| A. A. Wheeler | May 8, 1869 | | 16 | 4 | Watertown. |
| Joseph Holland | May 19, 1870 | | 3 | 1 | New York city. |
| George L. Lawyer | May 26, 1870 | | 28 | 6 | Binghamton. |
| George Warcup | Aug. 13, 1870 | | 17 | 5 | Little Falls. |
| John C. Taylor | Sept. 10, 1870 | | 19 | 5 | Norwich. |
| Frank J. Stewart | Oct. 25, 1870 | | 25 | 7 | Rochester. |
| Charles H. Van Allen | Oct. 27, 1870 | | 13 | 3 | Albany. |
| John Tallmadge | Jan. 19, 1871 | | 10 | 3 | Troy. |
| David M. Dunning | Jan. 25, 1871 | | 23 | 6 | Auburn. |
| Arthur V. Wiltsie | Feb. 1, 1871 | | 22 | 2 | Newburgh. |
| George W. Van Matin | May 1, 1871 | | 11 | 2 | Brooklyn. |
| Joseph Lee, Jr. | Aug. 15, 1871 | | 5 | 2 | Brooklyn. |
| William D. Bruns | Aug. 17, 1871 | | 2 | 1 | New York city. |
| Aaron W. Morris | Oct. 3, 1871 | | 7 | 2 | Morrisania. |
| G. Barnett Rich | Nov. 1, 1871 | | 31 | 8 | Buffalo. |

Register of Military Force — (Continued).

FIRST REGIMENT.—CAVALRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Henry Brinker | .. | Feb. 4, 1867 | | 343 East 26th st., New York city. |
| Lieutenant-Colonel: | | | | |
| John Madden | .. | Dec. 29, 1869 | | 317 Third avenue, New York city. |
| Major: | | | | |
| John H. Timmerman | .. | Jan. 10, 1871 | | 265 Seventh street, New York city. |
| Adjutant: | | | | |
| William D. Bruns | .. | Jan. 13, 1871 | | 343 East 26th street, N. York city. |
| Quartermaster: | | | | |
| Henry Reichers | .. | Sept. 4, 1871 | | 198 Eighth avenue, N. York city. |
| Assistant Surgeon: | | | | |
| Alvin Fulda | .. | Sept. 15, 1869 | | 502 East 14th street, N. Y. city. |
| Chaplain: | | | | |
| Nicholas Bremmer | .. | Mar. 20, 1870 | | 4 Sixth avenue, New York city. |
| Veterinary Surgeon: | | | | |
| Henry Cordes | .. | Jan. 13, 1871 | | 79 Jane street, New York city. |
| Captains: | | | | |
| John H. Lutjen | A | Jan. 21, 1870 | | 215 West 27th st., New York city. |
| Thomas Daw | F | June 28, 1870 | | 550 West 33d st., New York city. |
| Peter Biegel | B | June 29, 1870 | | 128 Christopher st., N. York city. |
| George Aery | K | Oct. 14, 1870 | | 257 Madison street, N. York city. |
| Henry N. Collyer | E | Jan. 13, 1871 | | 23 Chatham street, N. York city. |
| Adolph Hermann | D | Jan. 24. 1871 | | 317 Third avenue, New York city. |
| Anthony Fisher | G | Nov. 7, 1871 | | 354 West 44th st., New York city. |
| First Lieutenants: | | | | |
| George Dellert | C | Feb. 18, 1868 | | 80 Bedford street, N. York city. |
| Michael Iseman | D | Mar. 19, 1868 | | 269 Second avenue, N. York city. |
| George Ridderhoff | G | April 27, 1868 | | 163 Delancy street, N. York city. |
| Henry W. Conradee | B | Jan. 4, 1869 | | 31st st. and First ave., N. Y. city. |
| Albert Schaff | A | Feb. 26, 1869 | | 323 West 16th st., N. York city. |
| Christ Hackmeister | E | Jan. 13, 1870 | | 546 Greenwich st., N. York city. |
| John A. Prigge | K | July 20, 1870 | | 671 Sixth avenue, New York city. |
| Walter Murray | F | Oct. 14, 1870 | | 514 West 40th st., N. York city. |
| Second Lieutenants: | | | | |
| Peter Kroncke | B | March 4, 1867 | | 86 Hudson st., New York city. |
| Henry Krome | K | May 8, 1868 | | 234 East 46th st., New York city. |
| Michael Gounard | F | Nov. 15, 1868 | | 472 Tenth avenue, New York city. |
| Fred. Heimbach | E | Nov. 17, 1868 | | 11 Sixth ave., New York city. |
| Wm. E. De Vriese | G | Sept. 20, 1869 | | Cor. Div'n & Pike sts., N. Y. city. |
| Jacob Kohn | E | Jan. 13. 1870 | | 255 Houston street, N. Y. city. |
| Christian Gotwald | D | March 1, 1870 | | 304 West 21st street, N. Y. city. |
| Henry Brockhausen | A | May 13, 1870 | | 164 Leonard street, N. York city. |
| Henry Reimer | A | June 6, 1870 | | 37 Bowery, New York city. |
| John K. Prehn | K | June 17, 1870 | | 275 Broome st., New York city. |
| John Deering | F | June 28, 1870 | | 384 Ninth avenue, N. York city. |
| Maurice Young | G | July 19, 1870 | | 257 East Houston st., N. Y. city. |
| George J. Eble | C | Feb. 13, 1871 | | 420 East 9th street, N. York city. |
| Adam Becker | C | Feb. 13, 1871 | | 238 Sixth avenue, New York city. |
| John Bacher | B | Feb. 23, 1871 | | 125th st. & Tenth ave., N. Y. city. |

Register of Military Force — (Continued).

THIRD REGIMENT.—CAVALRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John H. Budke | .. | May 24, 1866 | ..... | 259 East Broadway, N. York city. |
| Lieutenant-Colonel: | | | | |
| Fred. W. Schmale | .. | May 24, 1869 | ..... | 408 Greenwich st., N. York city |
| Major: | | | | |
| George W. Sauer | .. | Dec. 20, 1867 | ..... | 291 Bowery, New York city. |
| Adjutant: | | | | |
| Jacob Beyer | .. | Sept. 27, 1869 | ..... | 121 Division st., New York city. |
| Quartermaster: | | | | |
| William Knolhoff | .. | June 15, 1867 | ..... | 148 West 24th st., New York city. |
| Surgeon: | | | | |
| Joseph Hafner | .. | Jan. 16, 1868 | ..... | 349 Seventh ave., New York city. |
| Assistant Surgeon: | | | | |
| Richard C. Duken | .. | Nov. 25, 1859 | ..... | New York city. |
| Chaplain: | | | | |
| John M. Moser | .. | May 7, 1870 | ..... | 360 West 26th st., New York city. 471 Ninth ave., New York city. |
| Veterinary Surgeon: | | | | |
| Frederick Born | .. | April 15, 1870 | ..... | 359 Greenwich st., N. York city. |
| Captains: | | | | |
| Charles Lambert | I | Mar. 25, 1864 | ..... | 343 Third avenue, N. York city. |
| John W. Haaren | G | May 31, 1869 | ..... | 359 West 26th st., New York city. |
| John H. Doscher | F | Aug. 16, 1869 | ..... | Brooklyn, New York. |
| John F. W. Koster | E | Sept. 5, 1870 | ..... | First ave. & 17th st., N. Y. city. |
| John Buttmann | H | Nov. 10, 1870 | ..... | 190 Duane st., New York city. |
| William E. Burkhardt | D | Feb. 14, 1871 | ..... | 185 Bowery, New York city. |
| John Carl | B | March 1, 1871 | ..... | 311 West 39th st., New York city. |
| Fred. Bornholdt | K | Sept. 28, 1871 | ..... | 96 Greenwich st., N. Y. city. |
| First Lieutenants: | | | | |
| Adam Muller | E | Dec. 11, 1866 | ..... | 323 East 13th st., New York city. |
| Claus Hoops | F | Aug. 24, 1868 | ..... | 248 West 30th st., New York city. |
| John H. Honeck | K | Nov. 10, 1870 | ..... | 495 Second ave., New York city. |
| John G. Loeser | D | Feb. 14, 1871 | ..... | 190 East Houston st., N. Y. city. |
| George Richards | B | March 1, 1871 | ..... | 539 West 43d street, N. York city. |
| Martin A. Cape | I | July 27, 1871 | ..... | 95 Norfolk street, N. York city. |
| Henry Schwekendick | G | Nov. 14, 1871 | ..... | 322 Tenth avenue, N. York city. |
| Second Lieutenants: | | | | |
| Herman H. Hinken | K | Nov. 30, 1866 | ..... | 83 Delancy street, New York city. |
| Fred. Frendenthal | I | Dec. 27, 1866 | ..... | 577 Third avenue, New York city. |
| Diedrick Luehrsen | F | April 1, 1867 | ..... | 192 William st., New York city. |
| Fred. Horling | E | July 2, 1867 | ..... | Cor. Riv'n & Forsyth sts., N. Y. C. |
| George W. Hoffmann | D | Jan. 12, 1869 | ..... | 147 East 19th street, N. York city. |
| Henry Schweckendick | G | May 31, 1869 | ..... | 321 Tenth avenue, New York city. |
| Deidrick Hunken | G | Nov. 4, 1869 | ..... | 328 Tenth avenue, New York city. |
| Henry Meyer | F | April 25, 1870 | ..... | 172 West 4th street, N. York city. |
| Haines Cohen | K | Nov. 10, 1870 | ..... | 98 Baxter street, New York city. |
| Reinhard Von Oehsen | E | Nov. 11, 1870 | ..... | 28 Christie street, N. York city. |
| John B. Speckles | H | Dec. 7, 1870 | ..... | 17 Thames street, N. York city. |
| Charles Miller | H | Dec. 7, 1870 | ..... | 59 First avenue, New York city. |
| George Springer | B | March 1, 1871 | ..... | 20 Sixth street, New York city. |
| Andrew Weisbrod | I | July 27, 1871 | ..... | 99 Ridge street, New York city. |

Register of Military Force — (Continued).

SECOND BATTALION CAVALRY, TWENTY-FOURTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Lieutenant-Colonel: | | | | |
| John C. Bennett | | April 16, 1870 | Colonel | Syracuse, N. Y. |
| Majors: | | | | |
| John F. Moschell | | Dec. 23, 1870 | | Liverpool, N. Y. |
| Frederick Auer | | Dec. 23, 1870 | | Syracuse, N. Y. |
| Adjutant: | | | | |
| Rehesa Griffin, Jr | | Dec. 23, 1870 | | Syracuse, N. Y. |
| Surgeon: | | | | |
| George W. Cook | | April 20, 1870 | | Syracuse, N. Y. |
| Quartermaster: | | | | |
| George W. Chase | | Aug. 7, 1871 | | Syracuse, N. Y. |
| Chaplain: | | | | |
| Charles Simon | | Aug. 16, 1870 | | Syracuse, N. Y. |
| Veterinary Surgeon: | | | | |
| Israel E. Britton | | Feb. 8, 1871 | | Syracuse, N. Y. |
| Captains: | | | | |
| Michael Auer | C | April 6, 1870 | | Syracuse, N. Y. |
| Edward C. Fay | D | May 14, 1870 | | Onondaga Valley, N. Y. |
| Richard C. Day | E | April 7, 1871 | | Oswego, N. Y. |
| William F. Weller | A | May 27, 1871 | | Liverpool, N. Y. |
| First Lieutenants: | | | | |
| Matthew J. Dolphin | A | May 2, 1870 | | Syracuse, N. Y. |
| Horace H. Marvin | B | Aug. 19, 1870 | | Baldwinsville, N. Y. |
| William S. Turner | E | April 7, 1871 | | Oswego, N. Y. |
| Joseph Hecker | C | Nov. 27, 1871 | | Syracuse, N. Y. |
| Second Lieutenants: | | | | |
| Thomas W. Cheesbrough | A | June 18, 1870 | | Syracuse, N. Y. |
| Thomas H. Scott | A | June 18, 1870 | | Euclid, N. Y. |
| William Bogardus | B | Aug. 19, 1870 | | Lampson's, N. Y. |
| Storm G. Slingerland | B | Aug. 19, 1870 | | Van Buren, N. Y. |
| George Schemel | C | Sept. 23, 1870 | | Syracuse, N. Y. |
| Richard Dalton | C | Dec. 2, 1870 | | Syracuse, N. Y. |
| Orlando W. Clary | E | April 7, 1871 | | Oswego, N. Y. |
| Lauren C. Kenyan | E | May 19, 1871 | | Oswego, N. Y. |

Register of Military Force.—(Continued).

SEPARATE TROOP CAVALRY, FIRST DIVISION.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Karl Klein | ... | Mar. 28, 1864 | ..... | 24 Duane st., New York city. |
| First Lieutenant: | | | | |
| Martin Heldt | .... | Feb. 16, 1870 | ..... | 206 Stanton st., New York city. |
| Second Lieutenant: | | | | |
| Caspar A. Baaden | .... | Feb. 16, 1870 | ..... | 39 East 40th st., New York city. |

SEPARATE TROOP CAVALRY, SECOND DIVISION.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Thomas McCarty | C | April 1, 1861 | ..... | Brooklyn. |
| First Lieutenant: | | | | |
| Michael T. Murphy | ... | Jan. 29, 1868 | ..... | Brooklyn. |
| Second Lieutenants: | | | | |
| John Hoare | .... | Jan. 29, 1868 | ..... | Brooklyn. |
| John Sheridan | .... | Nov. 3, 1869 | ..... | Brooklyn. |

Register of Military Force — (Continued).

WASHINGTON GRAY TROOP CAVALRY, THIRD BRIGADE,.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Daniel D. Wylie | ... | Feb. 10, 1870.. | ..... | 134 East 61st st., New York city. |
| First Lieutenant: | | | | |
| E. M. Van Buren | .... | Jan. 5, 1870.. | ..... | 431 West 43d st., New York city. |
| Second Lieutenants: | | | | |
| Champion Bissell | .... | Jan. 5, 1870.. | ..... | 113 East 28th st., New York city. |
| A. L. Batterson | .... | Dec. 15, 1870.. | ..... | 690 Sixth ave., New York city. |

SEPARATE TROOP CAVALRY, FIFTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Louis Sandhausen | A | Nov. 22, 1871.. | ..... | 167 Lafayette ave., Brooklyn. |
| First Lieutenant: | | | | |
| Henry A. Mohrman | A | Nov. 22, 1871.. | ..... | 360 Classon ave., Brooklyn. |
| Second Lieutenants: | | | | |
| George Heid | A | Sep. 23, 1869.. | ..... | Brooklyn. |
| Henry Roseland | A | Nov. 22, 1871.. | ..... | 383 Hudson ave., N. Y. |

SEPARATE TROOP CAVALRY, EIGHTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Samuel Dewey | .. . | Dec. 21, 1863.. | ..... | Leeds, N. Y. |
| First Lieutenant: | | | | |
| Cornelius Platner | .... | Oct. 5, 1866.. | ... ..... | Prattsville, N. Y. |
| Second Lieutenant: | | | | |
| Martin J. Vedder | .... | July 8, 1864.. | ..... | Leeds, N. Y. |

Register of Military Force — (Continued).

SEPARATE TROOP CAVALRY, NINTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Geo. Schwarzman | .... | Jan. 12, 1865 | Major | No. 71 Beaver street, Albany. |
| First Lieutenant: | | | | |
| Samuel L. Bridgeford | .... | May 25, 1866 | ... | No. 152 First street, Albany. |
| Second Lieutenant: | | | | |
| Edward Mulcahy | .... | Jan. 10, 1868 | ..... | No. 59 Van Woert street, Albany. |

SEPARATE TROOP CAVALRY, ELEVENTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| John Kreuscher | D | July 16, 1866 | ..... | Cor. Stagg st. and Bushwick ave. Brooklyn. |
| First Lieutenant: | | | | |
| Peter Bertsch | .... | June 27, 1867 | ..... | 55 Meserole st., Brooklyn. |
| Second Lieutenants: | | | | |
| Frederick Weisser | .... | July 27, 1867 | ..... | 332 Leonard st., Brooklyn. |
| Peter Schlig | .... | Jan. 25, 1869 | ..... | 128 Bushwick ave., Brooklyn. |

Register of Military Force — (Continued).

BATTALION OF ARTILLERY OF TWENTY-FOURTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Major: | | | | |
| William Meichel | .... | Mar. 27, 1871 | ..... | Gifford street, Syracuse. |
| Adjutant: | | | | |
| Augustus Miller | .... | May 4, 1871 | ..... | North Salina street, Syracuse. |
| Quartermaster: | | | | |
| William Baumgross | .... | May 4, 1871 | ..... | North Salina street, Syracuse. |
| Surgeon: | | | | |
| Albert L. Whedon | .... | Oct. 9, 1871 | ..... | Geddes. |
| Chaplain: | | | | |
| Joseph A. Hoffman | .... | April 13, 1870 | ..... | North Salina street, Syracuse. |
| Captains: | | | | |
| Paul Birchmeyer | A | June 21, 1870 | ..... | Park street, Syracuse. |
| Henry Wente | B | April 4, 1871 | ..... | Lodi street, Syracuse. |
| First Lieutenants: | | | | |
| Conrad Meyer | A | April 7, 1870 | ..... | Park street, Syracuse. |
| Henry Wirges | B | April 12, 1871 | ..... | Lock street, Syracuse. |
| Second Lieutenants: | | | | |
| George Lederman | A | Aug. 12, 1869 | ..... | Lock street, Syracuse. |
| Fridoline Steible | A | April 27, 1870 | ..... | Lock street, Syracuse. |
| Frederick Milch | B | June 7, 1870 | ..... | North Salina street, Syracuse. |
| Florence Meichel | B | April 12, 1871 | ..... | Syracuse. |

BATTALION OF ARTILLERY, TWENTY-FIFTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Major: | | | | |
| Joseph Ebelding | .... | Nov. 21, 1871 | ..... | Rochester. |
| Adjutant: | | | | |
| Rufus K. Dryer | .... | Aug. 30, 1870 | ..... | Rochester. |
| Quartermaster: | | | | |
| Edmund J. Kelly | .... | Aug. 30, 1870 | ..... | Rochester. |
| Assistant Surgeon: | | | | |
| Charles E. Rider | .... | April 14, 1864 | ..... | Rochester. |
| Asst. Com. Subsistence: | | | | |
| Eugene T. Curtis | .... | Nov. 10, 1868 | ..... | Rochester. |
| Captain: | | | | |
| Thomas Barnes | A | Aug. 1, 1869 | ..... | Rochester. |
| First Lieutenants: | | | | |
| John Carson | A | Sept. 28, 1868 | ..... | Rochester. |
| Nicholas Euler | B | July 1, 1870 | ..... | Rochester. |
| John Martin | B | Nov. 27, 1871 | ..... | Rochester. |
| Second Lieutenants: | | | | |
| John Hunter | A | Jan. 20, 1867 | ..... | Rochester. |
| James A. Spaulding | A | Sept. 19, 1871 | ..... | Rochester. |
| John A. P. Walter | B | Sept. 26, 1871 | ..... | Rochester. |
| William J. Steinhauser | B | Nov. 27, 1871 | ..... | Rochester. |

Register of Military Force — (Continued).

BATTERY B, FIRST DIVISION.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| John Keim | .... | June 25, 1863 | ..... | 203 West street, N. Y. city. |
| First Lieutenants: | | | | |
| Henry Hildebrandt | .... | June 9, 1870 | ..... | 79 Allen street, N. Y. city. |
| Edward L. Wuebber | .... | Aug. 7, 1871 | ..... | New York city. |
| Second Lieutenants: | | | | |
| Fabian July | .... | Sept. 30, 1869 | ..... | 400 East 19th street, N. Y. city. |
| Charles Rost | .... | June 9, 1870 | ..... | 379 Second avenue, N. Y. city. |

BATTERY C, FIRST DIVISION.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| William Schilling | .... | Sept. 2, 1861 | ..... | 192 Madison street, N. Y. city. |
| First Lieutenant: | | | | |
| Benjamin Hyde | .... | Mar. 31, 1871 | ..... | 98 Chatham street, N. Y. city. |
| Second Lieutenants: | | | | |
| Marcus Faller | .... | June 20, 1870 | ..... | 161 Avenue B, N. Y. city. |
| William Kiefer | .... | June 30, 1870 | ..... | 511 Sixth street, N. Y. city. |

BATTERY G, FIRST DIVISION.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| Edward M. Le Moyne | .... | June 26, 1862 | ..... | 356 Lexington avenue, N. Y. city. |
| First Lieutenant: | | | | |
| Stephen M. Wright | .... | May 27, 1868 | ..... | 289 Seventh street, N. Y. city. |
| Second Lieutenant: | | | | |
| James B. Cone | .... | Jan. 20, 1871 | ..... | 357 Lexington avenue, N. Y. city. |

BATTERY K, FIRST DIVISION.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| John N. Heubner | .... | April 24, 1867 | ..... | Sixty-first street, between 9th and 10th ave., N. Y. city. |
| First Lieutenants: | | | | |
| Augustus Hoetzle | .... | April 24, 1867 | ..... | 349 Seventh avenue, N. Y. city. |
| Joseph Henry | .... | June 24, 1870 | ..... | 97 Walker street, N. Y. city. |
| Second Lieutenants: | | | | |
| Philip E. Haag | ... | July 28, 1870 | ..... | 364 Eighth avenue, N. Y. city. |
| George Hillabrand | .... | April 12, 1871 | ..... | 82 Fourth avenue, N. Y. city. |

Register of Military Force — (Continued).

BATTERY A, SECOND DIVISION.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| Philip A. Stuber | A | Nov. 15, 1870 | | Brooklyn, N. Y. |
| First Lieutenant: | | | | |
| John Paine | A | Dec. 5, 1871 | | Brooklyn, N. Y. |
| Second Lieutenant: | | | | |
| Conrad Flad | A | Mar. 5, 1868 | | Brooklyn, N. Y. |

BATTERY B, SECOND DIVISION.

| | | | | |
|---|---|---|---|---|
| First Lieutenant: | | | | |
| William Ernst | B | Sept. 17, 1867 | | Brooklyn, N. Y. |
| Second Lieutenants: | | | | |
| John Schmall | B | Sept. 17, 1867 | | Brooklyn, N. Y. |
| Emil Brittman | B | Nov. 17, 1870 | | Brooklyn, N. Y. |

HOWITZER BATTERY, ELEVENTH BRIGADE.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| William H. H. Beebe | | May 19, 1870 | | 18 Clinton street, Brooklyn, N. Y. |
| First Lieutenant: | | | | |
| Julius F. Simons | | Oct. 11, 1871 | | 9 Hunter street, Brooklyn, N. Y. |
| Second Lieutenant: | | | | |
| Munson H. Beebe | | Oct. 11, 1871 | | 18 Clinton street, Brooklyn, N. Y. |

BATTERY A, NINTH BRIGADE.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Captain: | | | | |
| John Pochin | | Aug. 14, 1865 | | 426 Clinton avenue, Albany. |
| Second Lieutenant: | | | | |
| Josias Christian | | May 24, 1870 | | Delaware turnpike, Albany. |

BATTERY OF ARTILLERY, THIRD DIVISION.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| J. Seymour Scott | B | April 26, 1869 | | Troy. |
| First Lieutenant: | | | | |
| A. H. Green | B | June 7, 1870 | | Troy. |
| Second Lieutenants: | | | | |
| E. W. Willard | B | Oct. 14, 1869 | | Troy. |
| John R. Whitehead | B | April 6, 1871. | | Troy. |

BATTERY A, ARTILLERY, TWENTY-EIGHTH BRIGADE.

| | | | | |
|---|---|---|---|---|
| Captain: | | | | |
| William M. Crosby | | Mar. 20, 1871 | Major | Binghamton. |
| First Lieutenants: | | | | |
| Laurel L. Olmsted | | Mar. 20, 1871 | | Binghamton. |
| Charles W. Hausner | | Oct. 30, 1871 | | Ithaca. |
| Second Lieutenants: | | | | |
| Alfred W. Metcalf | | Mar. 20, 1871 | | Binghamton. |
| Oscar S. Jennings | | May 10, 1871 | | Ithaca. |

Register of Military Force—(Continued).

First Regiment of Infantry.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Vacant | .... | ..... | ..... | |
| Lieutenant-Colonel: | | | | |
| Almar P. Webster | .... | Feb. 23, 1869.. | ..... | 355 Lexington avenue, N. Y. city. |
| Major: | | | | |
| Harvey C. Perley | .... | Feb. 22, 1869.. | ..... | 716 Lexington avenue, N. Y. city. |
| Adjutant: | | | | |
| R. Livingston Luckey | .... | Mar. 6, 1871.. | ..... | 25 West 23d street, N. Y. city. |
| Quartermaster: | | | | |
| Melville B. Clark | .... | Oct. 7, 1870.. | ..... | 47 Park avenue, N. Y. city. |
| Surgeon: | | | | |
| A. C. Carson | .... | Feb. 23, 1869.. | ..... | 363 Lexington avenue, N. Y. city. |
| Assistant Surgeon: | | | | |
| J. P. Garrish, Jr | .... | Nov. 15, 1869.. | ..... | 40 West 21st street, N. Y. city. |
| Com. of Subsistence: | | | | |
| G. T. Newell, Jr | .... | Mar. 31, 1870.. | ..... | 247 West 15th street, N. Y. city. |
| Captains: | | | | |
| August Rassiga | B | Feb. 13, 1866.. | ..... | 53d street and 4th ave., N. Y. city. |
| Andrew B. Dobbs | A | Feb. 6, 1868.. | ..... | 118 Fourth street, N. Y. city. |
| D. F. Cooper | C | May 26, 1868.. | ..... | 118 West 32d street, N. Y. city. |
| William Barthman | H | Jan. 19, 1870.. | ..... | 104 Robinson street, Brooklyn. |
| J. C. J. Langbein | E | Jan. 24, 1870.. | ..... | 15 Third avenue, N. Y. city. |
| Frank M. Clark | G | Mar. 6, 1871.. | ..... | 335 West 24th street, N. Y. city. |
| Peter J. Martin | F | July 3, 1871.. | ..... | 306 East 4th street, N. Y. city. |
| First Lieutenants: | | | | |
| Theodore Betts | A | Feb. 6, 1868.. | ..... | 160 East Warren street, Brooklyn. |
| J. M. Oswald | B | Feb. 9, 1870.. | ..... | 65 Eagle street, Brooklyn. |
| George Conover | G | April 13, 1870.. | ..... | 226 Leonard street, Brooklyn. |
| William Marshall | H | Nov. 30, 1870.. | ..... | 15 Lewis street, N. Y. city. |
| George F. Heil | F | April 24, 1871.. | ..... | 135 Elm street, N. Y. city. |
| John Lechstrecker | C | May 2, 1871.. | ..... | 605 Ninth street, N. Y. city. |
| Second Lieutenants: | | | | |
| Michael O'Neil | G | Sept. 30, 1870.. | ..... | 11 West 29th street, N. Y. city. |
| Louis Freibertshauser | B | Oct. 19, 1870.. | ..... | 744 Sixth avenue, N. Y. city. |
| Hugo M. Otto | H | Jan. 4, 1871.. | ..... | 155 Eldridge street, N. Y. city. |
| John A. Wallace | E | May 4, 1871.. | ..... | 168 N. 6th street, Williamsburgh. |
| Emile D. Francoise | A | May 11, 1871.. | ..... | 237 Sixth avenue, N. Y. city. |
| Eugene Mix | C | Nov. 21, 1871.. | ..... | 222 West 29th street, N. Y. city. |

Register of Military Force—(Continued).

THIRD REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John G. Fay | .... | July 12, 1870 | ..... | East Chester, N. Y. |
| Lieutenant-Colonel: | | | | |
| John Davis Hatch | .... | July 12, 1870 | ..... | Yonkers, N. Y. |
| Major: | | | | |
| Benjamin F. Wallace | .... | July 12, 1870 | ..... | Mount Vernon, N. Y. |
| Adjutant: | | | | |
| George E. Jardine | .... | June 14, 1870 | ..... | East Chester, N. Y. |
| Quartermaster: | | | | |
| William Pemberton | .... | Sept. 1, 1870 | ..... | Mount Vernon, N. Y. |
| Com. of Subsistence: | | | | |
| John C. Gebman | .... | May 1, 1870 | ..... | Mount Vernon, N. Y. |
| Surgeon: | | | | |
| Edmund S. V. Arnold | .... | Jan. 1, 1871 | ..... | Yonkers, N. Y. |
| Assistant Surgeon: | | | | |
| Conrad Weiss | .... | June 14, 1870 | ..... | Mount Vernon, N. Y. |
| Chaplain: | | | | |
| William S. Coffey | .... | June 14, 1870 | ..... | East Chester, N. Y. |
| Captains: | | | | |
| John J. Sauvan | A | June 14, 1870 | ..... | Morrisania, N. Y. |
| James B. Spicer | C | June 14, 1870 | ..... | Mount Vernon, N. Y. |
| Edward Carroll | D | June 14, 1870 | ..... | Tuckahoe, N. Y. |
| Bernard Hufnagle | E | June 14, 1870 | ..... | Mount Vernon, N. Y. |
| Samuel E. Lyon | F | June 14, 1870 | ..... | New Rochelle, N. Y. |
| William McFarlane | H | Aug. 20, 1870 | ..... | Yonkers, N. Y. |
| Henry Huss | B | April 21, 1871 | ..... | Mount Vernon, N. Y. |
| Abraham Jones | K | April 23, 1871 | ..... | Sing Sing, N. Y. |
| Caleb W. Storm | I | Aug. 19, 1871 | ..... | Tarrytown, N. Y. |
| Frederick Lambert | G | Oct. 3, 1871 | ..... | Morrisania, N. Y. |
| First Lieutenants: | | | | |
| John Eisele | A | June 14, 1870 | ..... | Morrisania, N. Y. |
| Thomas O'Reilly | D | June 14, 1870 | ..... | Tuckahoe, N. Y. |
| Christopher Miller | E | June 14, 1870 | ..... | Mount Vernon, N. Y. |
| Winfield S. Bertine | F | June 14, 1870 | ..... | New Rochelle, N. Y. |
| Samuel L. Smith | H | Aug. 20, 1870 | ..... | Yonkers, N. Y. |
| Thomas Birdsall | I | Aug. 30, 1870 | ..... | Tarrytown, N. Y. |
| Joseph Marcy | B | April 21, 1871 | ..... | Mount Vernon, N. Y. |
| Lawson Vaden | K | April 23, 1871 | ..... | Sing Sing, N. Y. |
| William C. Broughton | C | Aug. 29, 1871 | ..... | Mount Vernon, N. Y. |
| Nicholas Hurd | G | Oct. 2, 1871 | ..... | Melrose, N. Y. |
| Second Lieutenants: | | | | |
| Malcom V. McClellan | F | June 14, 1870 | ..... | New Rochelle, N. Y. |
| Ethelbert W. Belknap | H | Aug. 20, 1870 | ..... | Yonkers, N. Y. |
| George T. Davis | D | Dec. 7, 1870 | ..... | New Rochelle, N. Y. |
| Jacob Bucher | E | Dec. 7, 1870 | ..... | Mount Vernon, N. Y. |
| Conrad Frederick | A | Dec. 16, 1870 | ..... | Morrisania, N. Y. |
| Adam Palm | B | April 21, 1871 | ..... | Mount Vernon, N. Y. |
| Napoleon B. Young | K | April 23, 1871 | ..... | Sing Sing, N. Y. |
| George D. Sypher | I | Aug. 19, 1871 | ..... | Tarrytown, N. Y. |
| Franklin B. Davis | C | Aug. 29, 1871 | ..... | Mount Vernon, N. Y. |
| Nicholas Hurd | G | Oct. 3, 1871 | ..... | Melrose, N. Y. |

Register of Military Force—(Continued).

FIFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Vacant | .... | ..... | ..... | |
| Lieutenant-Colonel: | | | | |
| Peter Kraeger | .... | Dec. 21, 1869.. | ..... | 154 Canal street, N. Y. city. |
| Major: | | | | |
| Louis Hallen | .... | Feb. 28, 1871.. | ..... | 31 Green street, N. Y. city. |
| Adjutant: | | | | |
| Edward H. Hopke | .... | Aug. 15, 1870.. | ..... | 19 Park Place, N. Y. city. |
| Com. of Subsistence: | | | | |
| J. C. F. Ducken | .... | Feb. 4, 1870.. | ..... | 160 Grand street, N. Y. city. |
| Assistant Surgeon: | | | | |
| A. Mayrovicz | .... | April 1, 1871.. | ..... | 107 East 8th street, N. Y. city. |
| Captains: | | | | |
| L. G. T. Bruer | F | Oct. 28, 1861.. | ..... | 444 East Broadway, N. Y. city. |
| Henry Kloeber | B | Dec. 4, 1865.. | ..... | 289 Broome street, N. Y. city. |
| Henry Hamenn | D | Jan. 23, 1867.. | ..... | 345 West 25th street, N. Y. city. |
| F. W. L. Geisler | K | Oct. 1, 1869.. | ..... | 410 East 19th street, N. Y. city. |
| John Zimmer | I | Mar. 14, 1870.. | ..... | 41 Bowery, N. Y. city. |
| William Lansen | H | June 15, 1870.. | ..... | 915 Third avenue, N. Y. city. |
| Emil Ney | E | Dec. 8, 1870.. | ..... | 317 Bowery, N. Y. city. |
| Charles Koos | A | April 21, 1871. | ..... | 138 E. Houston street, N. Y. city. |
| Louis Ploeger | C | Sept. 21, 1871.. | ..... | 130 Cedar street, N. Y. city. |
| First Lieutenants: | | | | |
| F. L. Kirchof | F | Dec. 2, 1869.. | ..... | 136 Seventh street, N. Y. city. |
| John P. Kedenberg | A | Dec. 9, 1869.. | ..... | 123 Broome street, N. Y. city |
| Henry Empel | I | May 23, 1870.. | ..... | 282 Broome street, N. Y. city. |
| Charles Lamb | D | June 13, 1870.. | ..... | 70 Chatham street, N. Y. city. |
| John H. Barthing | H | June 13, 1870.. | ..... | 49 Prince street, N. Y. city. |
| Julius Willing | E | Dec. 8, 1870.. | ..... | 332 Bowery, N. Y. city. |
| Leonard Schmidt | B | Feb. 13, 1871.. | ..... | 5 Chambers street, N. Y. city. |
| William Brandus | K | Mar. 27, 1871.. | ..... | 3d street and 3d ave., N. Y. city. |
| Herman Koehler | C | Sept. 21, 1871.. | ..... | 277 Third street, N. Y. city. |
| Second Lieuenants: | | | | |
| Simon J. Ulrich | B | Aug. 7, 1868.. | ..... | 48 Avenue A, N. Y. city. |
| George G. Fuessel | F | Dec. 2, 1869.. | ..... | 465 Pearl street, N. Y. city. |
| Wilhelm Meyer | A | Dec. 9, 1869.. | ..... | 94 Avenue B, N. Y. city. |
| Jacob Hauck | K | April 12, 1870.. | ..... | 249 Sixth avenue, N. Y. city. |
| Frederick Gruner | I | May 23, 1870.. | ..... | Green Point, N. Y. |
| Jacob Diegel | D | June 13, 1870.. | ..... | 373 Bleecker street, N. Y. city. |
| Martin Rau | E | Dec 8, 1870.. | ..... | 83 Rivington street, N. Y. city. |
| William P. Rinkhoff | H | Aug. 3, 1871.. | ..... | 653 Tenth avenue, N. Y. city. |
| Eugene Charpiot | C | Sept. 21, 1871.. | ..... | 2 Bowling Green, N. Y. city. |

Register of Military Force—(Continued).

SIXTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Frank W. Sterry | .... | Sep. 15, 1870 | ..... | 50 Seventh st., N. Y. city. |
| Lieutenant-Colonel: | | | | |
| Charles M. Schieffelin | .... | Sep. 15, 1870 | ..... | 6 East 32d st., N. Y. city. |
| Major: | | | | |
| Henry Fischer | .... | Sep. 15, 1870 | ..... | 338 East 4th st., N. Y. city. |
| Adjutant: | | | | |
| Abram Shenfeld | .... | Jan. 13, 1870 | ..... | 83 Leonard st., N. Y. city. |
| Quartermaster: | | | | |
| George S. Miller | .... | Sep. 15, 1870 | ..... | 7 West 56th street, N. Y. city. |
| Assist't Com. of Subsist.: | | | | |
| Charles H. Raynor | .... | Dec. 20, 1870 | ..... | 422 East 18th st., N. Y. city. |
| Surgeon: | | | | |
| Benjamin F. Dawson | .... | Sep. 15, 1870 | ..... | 8 East 15th st., N. Y. city. |
| Chaplain: | | | | |
| B. F. Phillips | .... | Mch. 24, 1866 | ..... | Howard Mission, N. Y. city. |
| Captains: | | | | |
| Nicholas Muller | I | Oct. 10, 1862 | ..... | 152 Stanton st., N. Y. city. |
| Christian Wormonbacker | C | Sep. 21, 1863 | ..... | 90 Avenue A, N. Y. city. |
| Max Zenn | H | May 7, 1867 | ..... | 370 East 4th st., N. Y. city. |
| John C. Affinger | K | Sep. 20, 1869 | ..... | 130 Third st., N. Y. city. |
| Frederick Schoen | D | Jan. 26, 1870 | ..... | 174 Essex st., N. Y. city. |
| Julius R. Adler | A | Mch. 23, 1870 | ..... | 417 Grand st., N. Y. city. |
| Samuel Blum | F | Aug. 1, 1870 | ..... | 15 Avenue D, N. Y. city. |
| Leopold Bloom | E | Sep. 2, 1870 | ..... | 463 Broome st., N. Y. city. |
| John M. Hermes | B | Sep. 5, 1871 | ..... | 115 East 9th st., N. Y. city. |
| First Lieutenants: | | | | |
| Morris J. Schnabel | F | Jan. 3, 1870 | ..... | 316 East 43d st., N. Y. city. |
| Charles Reichel | D | Jan. 26, 1870 | ..... | 410 Fifth st., N. Y. city. |
| Maurice A. Lassner | H | Feb. 1, 1870 | ..... | 333 East 4th st., N. Y. city. |
| Max Pincus | A | Mch. 23, 1870 | ..... | 261 Rivington st., N. Y. city. |
| John McDonald | G | Sep. 3, 1870 | ..... | N. Y. city. |
| Anton Schneider | E | Sep. 23, 1870 | ..... | 463 Broome st., N. Y. city. |
| Leopold Bernstein | K | Oct. 26, 1870 | ..... | 727 Fifth st., N. Y. city. |
| Cortland St. John | I | Dec. 9, 1870 | ..... | 76 William st., N. Y. city. |
| Louis Fischer | B | Mch. 10, 1871 | ..... | Fourth ave., N. Y. city. |
| Second Lieutenants: | | | | |
| Charles McGraugh | G | Feb. 10, 1868 | ..... | N. Y. city. |
| Isaac Simon | A | Mch. 23, 1870 | ..... | 133 Greenwich st., N. Y. city. |
| Charles L. Vath | D | May 11, 1870 | ..... | 100 Prince st., N. Y. city. |
| Henry Hildberg | E | Dec. 8, 1870 | ..... | 247 West 51st st., N. Y. city. |
| Charles F. Robbins | K | Dec. 14, 1870 | ..... | 31st st. and Broadway, N. Y. city. |
| Assor Greenbaum | H | May 11, 1871 | ..... | 65 West 51st st., N. Y. city. |
| David Seckles | F | July 20, 1871 | ..... | 440 Broadway, N. Y. city. |
| Conrad H. Maseman | B | Sep. 5, 1871 | ..... | 738 Sixth ave., N. Y. city. |

Register of Military Force—(Continued).

SEVENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Emmons Clark | ... | June 21, 1864 | ..... | 301 Mott street, New York city. |
| Lieutenant-Colonel: | | | | |
| George T. Haws | .... | Aug. 18, 1864 | ..... | 31 East 24th street, New York city. |
| Major: | | | | |
| George Moore Smith | .... | April 8, 1870 | ..... | 125th street, New York city. |
| Adjutant: | | | | |
| Louis Fitzgerald | .... | May 1, 1867. | Lieut.-Col. | 111 East 31st street, New York city. |
| Quartermaster: | | | | |
| Robert M. Weed | .... | April 27, 1867 | ..... | 86 Lexington ave., New York city. |
| Surgeon: | | | | |
| Moreau Morris | .... | July 4, 1871 | ..... | 141 East 52d street, New York city. |
| Assistant-Surgeon: | | | | |
| William Parker | .... | July 21, 1869 | ..... | 41 East 12th street, New York city. |
| Chaplain: | | | | |
| Sullivan H. Weston | .... | July 3, 1858 | ..... | 3 East 45th street, New York city. |
| Captains: | | | | |
| George William Smith | H | Jan. 11, 1864 | ..... | 109 West 23d street, New York city. |
| Stephen O. Ryder | E | Sept. 30, 1864 | ..... | 40 West 30th street, New York city. |
| Don Alonzo Pollard | C | April 5, 1866 | ..... | 4 Irving place, New York city. |
| William H. Kipp | D | Oct. 8, 1866 | ..... | 130 Broadway, New York city. |
| Charles S. Van Norden | B | Oct. 3, 1867 | ..... | 107 East 40th street, New York city. |
| Richard Allison | A | Oct. 9, 1867 | ..... | 585 Broome street, New York city. |
| Edward G. Arthur | I | Sept. 29, 1869 | ..... | 34 Wall street, New York city. |
| Lindsay B. Richardson | K | Dec. 16, 1869 | ..... | 41 West 10th street, New York city. |
| George W. Ely | G | May 30, 1870 | ..... | 45 Broad street, New York city. |
| Edward O. Bird | F | Mar. 27, 1871 | ..... | 159 West 21st street, N. Y. city. |
| First Lieutenants: | | | | |
| Edward Earle | D | June 14, 1866 | ..... | 513 Washington street, N. Y. city. |
| George P. Barrett | E | June 7, 1867 | ..... | 71 East 33d street, New York city. |
| William C. Casey | H | Aug. 10, 1868 | ..... | 525 Sixth avenue, New York city. |
| Gulian V. Quilliard | B | Oct. 11, 1869 | ..... | 501 Hudson street, New York city. |
| Charles G. Bacon | A | May 30, 1870 | ..... | 37 West 21st street, New York city. |
| Francis W. Houghton | K | Jan. 11, 1871 | ..... | 336 East 15th street, New York city. |
| Charles F. Robbins | C | Feb. 17, 1871 | ..... | 73 Pearl street, New York city. |
| Milton B. Sweet | I | April 24, 1871 | ..... | 4 Fulton street, New York city. |
| John A. Sniffen | F | May 3, 1871 | ..... | 5 East 42d street, New York city. |
| Jasper H. Singer | G | June 6, 1871 | ..... | 497 Hudson street, New York city. |
| Second Lieutenants: | | | | |
| Joseph Lentilhon | K | Jan. 14, 1863 | ..... | 92 West 11th street, New York city. |
| James C. Abrams | H | Aug. 10, 1868 | ..... | 397 Sixth avenue, New York city. |
| Benjamin Parr | D | Aug. 14, 1868 | ..... | 451 West 24th street, N. Y. city |
| George G. Meacham | G | Oct. 19, 1868 | ..... | First ave. & 31st street, N. Y. city. |
| Edward J. Steele | B | Oct. 11, 1869 | ..... | 23 East 20th street, New York city. |
| Henry J. Hayden | A | May 30, 1870 | ..... | 106 South street, New York city. |
| Thomas Barrington | E | Sept. 15, 1870 | ..... | 311 West 43d street, New York city. |
| Darius Ferry, Jr. | C | Feb. 17, 1871 | ..... | 168 Water street, New York city. |
| William G. Dominick | I | April 24, 1871 | ..... | 2 West 39th street, New York city. |
| Frederick A. Goodwin | F | May 3, 1871 | ..... | 618 Seventh ave., New York city. |

Register of Military Force—(Continued).

EIGHTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| George D. Scott | .... | Oct. 18, 1869 | ..... | 139 Ninth avenue, N. Y. city. |
| Lieutenant-Colonel: | | | | |
| W. G. Dunn | .... | Nov. 4, 1869 | ..... | 111 East 84th street, N. Y. city. |
| Major: | | | | |
| John Appleton | .... | Dec. 12, 1867 | ..... | 306 East 29th street, N. Y. city. |
| Adjutant: | | | | |
| Josephus R. Hills | ... | Nov. 23, 1869 | ..... | 26 East 129th street, N. Y. city. |
| Quartermaster: | | | | |
| David P. Arnold | .... | Oct. 2, 1871 | ..... | 214 East 9th street, N. Y. city. |
| Surgeon: | | | | |
| Nelson Place, Jr. | .... | Nov. 21, 1869 | ..... | 307 East Broadway, N. Y. city. |
| Assistant Surgeon: | | | | |
| George H. Leach | .... | Dec. 20, 1860 | ..... | 301 West 30th street, N. Y. city. |
| Commissary: | | | | |
| A. J. Decker | .... | July 15, 1870 | ..... | 545 West 21st street, N. Y. city. |
| Captains: | | | | |
| Alexander Clark | B | July 1, 1864 | ..... | 333 East 55th street, N. Y. city. |
| John Farrell | H | Nov. 6, 1865 | ..... | 442 Eleventh avenue, N. Y. city. |
| John Penberthy | D | Jan. 30, 1866 | ..... | 377 Pearl street, N. Y. city. |
| William Green | K | Aug. 20, 1866 | ..... | 103 Broome street, N. Y. city. |
| Michael Maguire | I | Dec. 14, 1868 | ..... | 466 Sixth avenue, N. Y. city. |
| Edward Barker | F | Oct. 11, 1869 | ..... | 327 Fourth avenue, N. Y. city. |
| John P. Leslie | G | Dec. 21, 1869 | ..... | Grand and Allen sts., N. Y. city. |
| William Ross | E | Mch. 8, 1870 | ..... | 595 Second avenue, N. Y. city. |
| Joseph Davenport | C | Feb. 2, 1871 | ..... | 153 avenue C, N. Y. city. |
| William H. Heathcote | A | Mch. 17, 1871 | ..... | 605 Broadway, N. Y. city. |
| First Lieutenants: | | | | |
| William Taite | H | Dec. 22, 1867 | ..... | 44th st. and 3d ave., N. Y. city. |
| Lewis A. Myers | F | Oct. 11, 1869 | ..... | 20 Hester street, N. Y. city. |
| Louis Bloom | K | Nov. 19, 1869 | ..... | New York city. |
| John Kennedy | B | Dec. 16, 1869 | ..... | 178 Forsyth street, N. Y. city. |
| Richard F. Leslie | G | Dec. 21, 1869 | ..... | 155 Eldridge street, N. Y. city. |
| Michael T. Burke | A | Feb. 14, 1870 | ..... | 1 Horatio street, N. Y. city. |
| George F. Fielding | C | Feb. 2, 1871 | ..... | 210 East 41st street, N. Y. city. |
| James Bryan | D | June 6, 1871 | ..... | 431 Grand street, N. Y. city. |
| Second Lieutenants: | | | | |
| H. D. Lediard | B | April 11, 1867 | ..... | 51 Henry street, N. Y. city. |
| Henry Berhard | K | Nov. 11, 1868 | ..... | 385 Sixth avenue, N. Y. city. |
| James Cassidy | G | May 26, 1869 | ..... | 261 Canal street, N. Y. city. |
| Alexander Whitelan | F | Oct. 11, 1869 | ..... | 327 Fourth avenue, N. Y. city. |
| William Bagerly | A | Feb. 14, 1870 | ..... | 1 Horatio street, N. Y. city. |
| Thomas Davis | E | Mch. 8, 1870 | ..... | 29 West 12th street, N. Y. city. |
| Charles A. Kinneer | H | Aug. 1, 1870 | ..... | 420 West 29th street, N. Y. city. |
| Edward E. Mulligan | I | Feb. 17, 1871 | ..... | 250 Monroe street, N. Y. city. |
| William H. Keogan | D | June 6, 1871 | ..... | 5 Beekman street, N. Y. city. |

Register of Military Force — (Continued).

NINTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| James Fisk, Jr. | ... | April 7, 1870 | ... | 313 West 23d st., New York city. |
| Lieutenant-Colonel: | | | | |
| Charles R. Braine | ... | Nov. 10, 1865 | ... | 345 West 19th st., New York city. |
| Major: | | | | |
| James R. Hitchcock | ... | Mar. 29, 1870 | ... | 32 East 49th street, N. York city. |
| Adjutant: | | | | |
| Edgar S. Allien | ... | Aug. 17, 1868 | ... | 311 West 23d st., New York city. |
| Quartermaster: | | | | |
| Jordan S. Bailey | ... | May 17, 1867 | ... | 16 Fourth avenue, N. York city. |
| Assistant Surgeon: | | | | |
| George Thompson | ... | April 7, 1870 | ... | 41 East 10th st., New York city. |
| Commissary: | | | | |
| Henry Harley | ... | July 17, 1871 | ... | 568 Fifth ave., New York city. |
| Chaplain: | | | | |
| Edward O. Flagg | ... | Oct. 26, 1871 | ... | 123 West 54th st., New York city. |
| Captains: | | | | |
| Wm. E. Van Wyck | F | Mar. 26, 1867 | Colonel | 216 West 21st st., New York city. |
| John J. Pryor | G | Mar. 28, 1867 | ... | 330 West 22d street, N. York city. |
| Arthur Blaney | I | April 8, 1868 | ... | 338 East 16th street, N. York city. |
| Robert P. Courtney | D | Oct. 25, 1869 | ... | 107 Hunter street, Brooklyn, N. Y. |
| Henry Miller | A | Oct. 31, 1869 | ... | 82 Ann street, New York city. |
| Gustave A. Fuller | C | April 19, 1870 | ... | 202 West 43d street, N. York city. |
| Bird W. Spencer | K | April 19, 1870 | ... | 163 West 44th st., New York city. |
| Robert B. Martin | B | April 21, 1870 | ... | 70 West 36th street, N. York city. |
| Dow S. Kittle | H | Oct. 7, 1870 | ... | 100 West 44th st., New York city. |
| Robert B. Cable | E | Feb. 17, 1871 | ... | 147 East 73d st., N. Y. city. |
| First Lieutenants: | | | | |
| John F. Smith | H | April 13, 1869 | ... | 89 Java street, Brooklyn, N. Y. |
| M. P. L. Montgomery | A | Oct. 21, 1869 | ... | 200 West 29th street, N. York city. |
| John H. Wood | F | April 5, 1870 | ... | 155 Broadway, N. York city. |
| Edward J. Lewis | E | May 20, 1870 | ... | 32 W. Washington sq., N. Y. city. |
| Edward S. Bowlend | D | Dec. 27, 1870 | ... | 31 West 19th st., New York city. |
| George A. Hussey | I | Mar. 1, 1871 | ... | 232 Seventeenth st., N. Y. city. |
| Alonzo P. Bacon | K | Mar. 27, 1871 | ... | Grand Hotel, New York city. |
| Second Lieutenants: | | | | |
| David Wolff | G | April 16, 1869 | ... | 448 Lexington ave., N. York city. |
| William H. King | F | April 19, 1870 | ... | 51 William st., New York city. |
| William J. Kirkland | B | April 21, 1870 | ... | |
| James Slater | H | June 24, 1870 | ... | 858 Broadway, New York city. |
| John C. C. Tallman | C | Sept. 29, 1870 | ... | 120 East 24th st., New York city. |
| James J. De Barry | I | Dec. 7, 1870 | ... | 62 Fulton st., New York city. |
| Frederick F. Valentine | D | Dec. 27, 1870 | ... | 169 East 86th street, N. York city. |
| James A. Mulligan | K | Mar. 27, 1871 | ... | 512 East 118th st., New York city. |
| George W. Palfrey | E | May 2, 1871 | ... | 187 West street, New York city. |

Register of Military Force — (Continued).

TENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Daniel S. Benton | .... | Aug. 5, 1871 | ..... | 18 Lancaster street, Albany, N. Y. |
| Lieutenant-Colonel: | | | | |
| John Burn | .... | Oct. 27, 1871 | ..... | 14 Knox street, Albany, N. Y. |
| Major: | | | | |
| Edward K. Rogers | .... | Oct. 27, 1871 | ..... | 722 Broadway, Albany, N. Y. |
| Adjutant: | | | | |
| Horatio P. Stackpole | .... | Dec. 16, 1871 | ..... | 240 Hudson street, Albany, N. Y. |
| Surgeon: | | | | |
| James S. Bailey | .... | Nov. 18, 1871 | ..... | 95 Eagle street, Albany, N. Y. |
| Assistant Surgeon: | | | | |
| William H. T. Reynolds | .... | May 1, 1870 | ..... | Alms House, Albany, N. Y. |
| Chaplain: | | | | |
| Alfred A. Farr | .... | Oct. 1, 1868 | ..... | 195 Hudson street, Albany, N. Y. |
| Captains: | | | | |
| James McFarland | E | Aug. 1, 1861 | ..... | 48 John street, Albany, N. Y. |
| Charles E. Davis | B | May 27, 1862 | Major | 85 Ten Brock street, Albany, N. Y. |
| Stephen Weaver | H | April 20, 1868 | ..... | 226 Washington ave. Albany, N. Y. |
| William A. Hamilton | A | Sept. 10, 1868 | ..... | 149 Hamilton street, Albany, N. Y. |
| John A. Tomlinson | D | May 27, 1869 | ..... | Morton, near Dove street, Albany. |
| Charles E. Van Aernam | G | Feb. 8, 1870 | ..... | 70 Lark street, Albany, N. Y. |
| Edward F. Reilly | F | Sept. 20, 1870 | ..... | 109 Beaver street, Albany, N. Y. |
| John W. Mullins | I | Feb. 3, 1871 | ..... | Albany, N. Y. |
| Michael Scheidler | K | March 9, 1871 | ..... | 11 Garden street, Albany, N. Y. |
| First Lieutenants: | | | | |
| Charles A. Walker | B | July 1, 1867 | Captain | 50 Herkimer street, Albany, N. Y. |
| Frederick Beschke | H | Sept. 14, 1868 | ..... | 454 Madison avenue, Albany, N.Y. |
| Mathias A. Hook | G | Feb. 8, 1870 | ..... | 104 Lark street, Albany, N. Y. |
| John H. Lindsay | C | Mar. 14, 1870 | ..... | 9 Chapel street, Albany, N. Y. |
| Charles C. Nichols | A | May 11, 1870 | ..... | 206 Swan street, Albany, N. Y. |
| Joseph C. St. Cyr | F | Feb. 20, 1871 | ..... | 60 Madison avenue, Albany, N. Y. |
| Patrick McGraw | K | Mar. 9, 1871 | ..... | 47 Mulberry street, Albany, N. Y. |
| James H. Coyle | I | June 9, 1871 | ..... | 60 Alexander street, Albany, N. Y. |
| Barnard C. Gardner | D | Aug. 3, 1871 | ..... | Albany, N. Y. |
| William E. Fitch | E | Sept. 28, 1871 | Captain | 89 Hudson street, Albany, N. Y. |
| Second Lieutenants: | | | | |
| Augustus Whitman | I | May 24, 1867 | ..... | 11 Whitehall road, Albany, Y. N. |
| Michael Russell | H | Oct. 28, 1868 | ..... | 274 Elm street, Albany, N. Y. |
| James H. Lane, Jr | B | April 16, 1870 | ..... | 159 Jefferson street, Albany, N. Y. |
| Jacob H. Maxwell | G | Aug. 7, 1870 | ..... | 87 Spring street, Albany, N. Y. |
| Charles A. Lansing | A | Aug. 29, 1870 | ..... | 146 State street, Albany, N. Y. |
| Sylvanus C. Curran | C | Sept. 29, 1870 | ..... | Avenue House, Albany, N. Y. |
| Royal C. Higby | D | Dec. 22, 1870 | ..... | 48 Union street, Albany, N. Y. |
| George W. Gray | F | Feb. 20, 1871 | ..... | 80 Bradford street, Albany, N. Y. |
| Louis Norton | K | Mar. 9, 1871 | ..... | 163 Grand street, Albany, N. Y. |
| John J. Jones | E | Sep. 28, 1871 | ..... | 32 Chapel street, Albany, N. Y. |

Register of Military Force — (Continued).

ELEVENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Frederick Vilmar | .... | Sept. 22, 1871 | ..... | 24 Bond street, New York city. |
| Lieutenant-Colonel: | | | | |
| Frederick Unbekant | .... | Dec. 13, 1867 | ..... | 204 Allen street, New York city. |
| Major: | | | | |
| William R. Oberman | .... | Oct. 21, 1870 | ..... | 158 Eldridge street, New York city. |
| Adjutant: | | | | |
| Charles J. Smith | .... | Nov. 1, 1870 | ..... | New York city. |
| Quartermaster: | | | | |
| Adolph E. Georgi | .... | Nov. 1, 1870 | ..... | 110 Third avenue, New York city. |
| Asst. Com'y of Sub.: | | | | |
| Jacob W. Scheu | .... | Dec. 16, 1870 | ..... | 185 Bowery, New York city. |
| Surgeon: | | | | |
| Charles Hein | .... | Mar. 30, 1866 | ..... | 5 Delancey street, New York city. |
| Assistant Surgeon: | | | | |
| Robert E. Williams | .... | Nov. 1, 1870 | ..... | New York city. |
| Chaplain: | | | | |
| Charles H. Ebert | ... | Mar. 20, 1868 | ..... | 158 Broadway, New York city. |
| Captains: | | | | |
| Fred. Klonz | D | Oct. 30, 1862 | ..... | 47 Norfolk street, New York city. |
| Henry Rommel | I | Oct. 11, 1867 | ..... | 122 Forsyth street, New York city. |
| Frederick Jacher | F | Aug. 10, 1869 | ..... | 65 Eldridge street, New York city. |
| Charles Richter | K | Aug. 12, 1869 | ..... | 149 West 35th st., New York city. |
| Herman Schmidt | H | Sept. 7, 1869 | ..... | 100 Ludlow street, New York city. |
| John Klein | G | Dec. 20, 1869 | ..... | 176 East 7th street, New York city. |
| Henry Ring | C | Sept. 9, 1870 | ..... | East 78th street, New York city. |
| Charles Grote | B | Dec. 8, 1870 | ..... | 9 Henry street, New York city. |
| First Lieutenants: | | | | |
| Christopher Rickershausen | H | Jan. 5, 1869 | ..... | 573 Fourth street, New York city. |
| Joseph Schneider | D | Oct. 6, 1869 | ..... | 517 Third avenue, New York city. |
| Max Ebler | F | Dec. 13, 1869 | ..... | 167 Forsyth street, New York city. |
| Conrad Von Gerichten | G | Dec. 17, 1869 | ..... | 327 Bowery, New York city. |
| William Hanser | C | Sept. 9, 1870 | ..... | 516 East 13th st., New York city. |
| Charles Kinkel | A | Nov. 19, 1870 | ..... | 38 Third street, New York city. |
| Charles Oberle | B | Dec. 8, 1870 | ..... | 20 Peck slip, New York city. |
| J. C. Endriss | I | June 28, 1871 | ..... | 331 West 44th st., New York city. |
| Charles Long | K | June 28, 1871 | ..... | 322 West 44th st., New York city. |
| William Klemp | E | Nov. 28, 1871 | ..... | 38 Third street, New York city. |
| Second Lieutenants: | | | | |
| Jacob Munzell | H | July 31, 1869 | ..... | 194 Second street, New York city. |
| Frederick Kloppel | D | Nov. 17, 1869 | ..... | 545 Third avenue, New York city. |
| Andrew Ott | G | Dec. 17, 1869 | ..... | 147 Lewis street, New York city. |
| Charles Berg | A | Jan. 22, 1870 | ..... | 42 Rivington st., New York city. |
| John Graf | E | May 7, 1870 | ..... | 95 Norfolk street, New York city. |
| Nic Nauwesen | B | Dec. 8, 1870 | ..... | 225 East 119th st., New York city. |
| Robert Grass | I | June 28, 1871 | ..... | 311 Third street, New York city. |
| John Kopf | C | June 28, 1871 | ..... | 91 Hester street, New York city. |

Register of Military Force — (Continued).

TWELFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John Ward | | Jan. 4, 1867 | | 38 West 37th st., N. Y. city. |
| Lieutenant-Colonel: | | | | |
| H. A. Gildersleve | | April 8, 1870 | | 28 West 48th st., N. Y. city. |
| Major: | | | | |
| S. V. R. Cruger | | April 8, 1870 | | 112 East 35th st., N. Y. city. |
| Adjutant: | | | | |
| William H. Murphy | | June 6, 1867 | | 211 West 35th st., N. Y. city. |
| Quartermaster: | | | | |
| Richard A. Riker | | Nov. 12, 1869 | | 81 Cliff st., N. Y. city. |
| Surgeon: | | | | |
| Edward White | | Sept. 26, 1871 | | 359 West 42d st., N. Y. city. |
| Assistant Surgeon: | | | | |
| Robert Taylor | | Sept. 26, 1871 | | 141 West 41st st., N. Y. city. |
| Chaplain: | | | | |
| Stephen H. Tyng | | June 17, 1863 | | 42d st. & Lexington av., N. Y. city. |
| Captains: | | | | |
| George A. Banta | B | Feb. 3, 1865 | | 166 West 30th st., N. Y. city. |
| Henry B. Smith | D | May 18, 1867 | | 1304 Broadway, N. Y. city. |
| Charles J. McGowan | G | June 4, 1867 | | 166 West 4th st., N. Y. city. |
| Victor Herb | A | May 24, 1869 | | 181 Eighth ave., N. Y. city. |
| Richard E. Jones | H | April 12, 1870 | | 3½ Division st., N. Y. city. |
| Samuel V. Healey | F | June 13, 1870 | | 449 West 44th st., N. Y. city. |
| John E. Dowley | K | June 30, 1870 | | 283 Madison st., N. Y. city. |
| Knox McAfee | E | Sept. 2, 1870 | | 328 West 30th st., N. Y. city. |
| Wm. H. Schwalle | I | Nov. 28, 1871 | | 132 Church st., N. Y. city. |
| First Lieutenants: | | | | |
| Charles S. Burns | F | June 13, 1870 | | 286 West 11th st., N. Y. city. |
| Henry B. Wilson | I | Sept. 1, 1870 | | 92½ Bowery, N. Y. city. |
| Charles Heizman | B | Jan. 13, 1871 | | 433 Third ave., N. Y. city. |
| John E. Walker | G | Feb. 7, 1871 | | 31 Carmine st., N. Y. city. |
| Hugh R. F. Koehling | A | March 9, 1871 | | 717½ Broadway, N. Y. city. |
| Edward Fackner | K | Aug. 23, 1871 | | 19 John st., N. Y. city. |
| Second Lieutenants: | | | | |
| Thomas Carroll | H | Jan. 11, 1870 | | 28th st. and Sixth ave., N. Y. city. |
| Colin Gourley | E | Sept. 2, 1870 | | 434 Eighth ave., N. Y. city. |
| John J. Heintz | B | Jan. 13, 1871 | | 174 Tenth ave., N. Y. city. |
| W. H. Kirby, Jr. | G | Feb. 7, 1871 | | 229 East 26th st., N. Y. city. |

Register of Military Force—(Continued).

THIRTEENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Lieutenant-Colonel: | | | | |
| Philip H. Briggs | .... | Dec. 8, 1869 | ..... | 56 Tompkins place, Brooklyn. |
| Major: | | | | |
| Edward S. Daniell | .... | Dec. 8, 1869 | ..... | Pierrepont House, Brooklyn. |
| Adjutant: | | | | |
| Samuel Richards | .... | July 22, 1869 | ..... | 37 Lafayette avenue, Brooklyn. |
| Quartermaster: | | | | |
| Abram Van Nostrand | .... | July 16, 1869 | ..... | 86 First place, Brooklyn, N. Y. |
| Com. of Subsistence: | | | | |
| John P. Scrymser | .... | May 17, 1867 | ..... | 95 Jarolamon street, Brooklyn. |
| Surgeon: | | | | |
| J. Frederick Moore | .... | Nov. 1, 1870 | ..... | 107 Hoyt street, Brooklyn, N. Y. |
| Assistant Surgeon: | | | | |
| James Watt | .... | Dec. 9, 1870 | ..... | 329 Union street, Brooklyn, N. Y. |
| Chaplain: | | | | |
| J. Halsted Carroll | .... | Jan. 7, 1870 | ..... | 25 Bedford avenue, Brooklyn. |
| Captains: | | | | |
| Frederick A. Baldwin | B | April 29, 1863 | ..... | 106 Clermont avenue, Brooklyn. |
| Harry Beadle | F | Mch. 17, 1868 | ..... | 320 Union street, Brooklyn, N. Y. |
| John C. Lefferts | A | Mch. 31, 1868 | ..... | Hackensack, N. J. |
| Garrett C. Hallenback | E | Nov. 27, 1868 | ..... | 24 Nassau street, New York city. |
| Thomas M. Hempstead | D | Dec. 15, 1869 | ..... | 1346 Pacific street, Brooklyn. |
| Allan C. Bush | I | Jan. 28, 1870 | ..... | Pierrepont House, Brooklyn. |
| Smith H. Wing | C | Sept. 9, 1870 | ..... | 237 Cumberland street, Brooklyn. |
| Elias L. Hull | H | Mch. 20, 1871 | ..... | 136 Atlantic street, Brooklyn. |
| First Lieutenants: | | | | |
| Thomas Dean | B | Feb. 20, 1862 | Captain, N. G. | Brooklyn, N. Y. |
| Thomas H. McGrath | A | Feb. 4, 1868 | ..... | Bay Ridge, Long Island. |
| August Pedroncelli | C | Aug. 5, 1869 | ..... | New York city. |
| Lefferts L. Laidlaw | D | Dec. 15, 1869 | ..... | 63 Cranberry street, Brooklyn. |
| John H. Hunter | G | Dec. 17, 1869 | ..... | 523 Washington ave., Brooklyn. |
| Franklin Coit | I | Mch. 8, 1871 | ..... | Brooklyn, N. Y. |
| Samuel F. Strong | H | Mch. 20, 1871 | ..... | Adelphi street, Brooklyn, N. Y. |
| James Boylan | E | Sept. 15, 1871 | ..... | 29 De Bevoise street, Brooklyn. |
| John W. Miles, Jr. | F | Sept. 26, 1871 | ..... | Fort Green place, Brooklyn, N. Y. |
| Second Lieutenants: | | | | |
| Billings Wheeler, Jr. | H | July 15, 1867 | ..... | 263 Washington ave., Brooklyn. |
| William J. Brooks | B | April 13, 1868 | ..... | 355 Bridge street, Brooklyn, N. Y. |
| George W. Kempton | D | Dec. 15, 1869 | ..... | 130 Harrison street, Brooklyn. |
| Henry V. Gahagan | A | Mch. 7, 1871 | ..... | 399 Sackett street, Brooklyn. |
| George D. Allen | I | Mch. 8, 1871 | ..... | 146 Pierrepont street, Brooklyn. |
| Edward H. Soper | G | Mch. 15, 1871 | ..... | Putnam av. and Bedford, Brooklyn. |
| Edwin N. Goater | E | Sept. 15, 1871 | ..... | 365 Thirteenth street, Brooklyn. |

Register of Military Force — (Continued).

FOURTEENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| William H. De Bevoise | .... | Aug. 16, 1869 | ..... | Brooklyn, N. Y. |
| Lieutenant-Colonel: | | | | |
| James McLeer | .... | Nov. 7, 1870 | ..... | Brooklyn, N. Y. |
| Adjutant: | | | | |
| William C. Booth | .... | Oct. 9, 1869 | ..... | Brooklyn, N. Y. |
| Quartermaster: | | | | |
| Charles Schurig | .... | Mar. 15, 1870 | ..... | Brooklyn, N. Y. |
| Comm'y of Subsistence: | | | | |
| William L. B. Steers | .... | Sept. 9, 1867 | ..... | Brooklyn, N. Y. |
| Surgeon: | | | | |
| James D. Farley | .... | Sept. 5, 1864 | ..... | Brooklyn, N. Y. |
| Captains: | | | | |
| John McNeill | H | Aug. 27, 1862 | ..... | Brooklyn, N. Y. |
| William M. Baldwin | D | Oct. 1, 1862 | ..... | Brooklyn, N. Y. |
| Henry W. Mitchell | C | May 27, 1865 | ..... | Brooklyn, N. Y. |
| John A. Egolf | E | June 13, 1865 | ..... | Brooklyn, N. Y. |
| Ramon Cardona | I | July 17, 1865 | ..... | Brooklyn, N. Y. |
| Francis Doyle | A | Nov. 25, 1865 | ..... | Brooklyn, N. Y. |
| Jeptha A. Jones | G | Sept. 23, 1868 | ..... | Brooklyn, N. Y. |
| Thomas J. Fagan | B | Feb. 28, 1870 | ..... | Brooklyn, N. Y. |
| Chas. L. H. Zillinskey | F | Mar. 14, 1870 | ..... | Brooklyn, N. Y. |
| Arthur V. Tyson | K | Nov. 4, 1870 | ..... | Brooklyn, N. Y. |
| First Lieutenants: | | | | |
| Isaac P. Smith | G | Sept. 8, 1865 | ..... | Brooklyn, N. Y. |
| Benjamin S. Stein | C | Nov. 2, 1867 | ..... | Brooklyn, N. Y. |
| William H. Campbell | H | Dec. 8, 1867 | ..... | Brooklyn, N. Y. |
| Joseph H. Pendergast | A | Jan. 7, 1869 | ..... | Brooklyn, N. Y. |
| Samuel Hawthorne, Jr. | K | Feb. 15, 1869 | ..... | Brooklyn, N. Y. |
| Robert E. Hull | F | Nov. 4, 1870 | ..... | Brooklyn, N. Y. |
| W. Dudley Brennan | B | Nov. 17, 1870 | ..... | Brooklyn, N. Y. |
| Second Lieutenants: | | | | |
| William Fosket | D | Mar. 27, 1865 | ..... | Brooklyn, N. Y. |
| John F. Young | I | April 4, 1866 | ..... | Brooklyn, N. Y. |
| Joseph Marfin | E | June 5, 1866 | ..... | Brooklyn, N. Y. |
| John H. Fisher | G | Nov. 30, 1866 | ..... | Brooklyn, N. Y. |
| Alfred Deacon | C | Nov. 2, 1867 | ..... | Brooklyn, N. Y. |

Register of Military Force — (Continued).

NINETEENTH BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| William D. Dickey | .... | June 17, 1868 | ..... | Newburgh, N. Y. |
| Lieutenant Colonel: | | | | |
| Daniel Forbush | .... | June 17, 1868 | ..... | Newburgh, N. Y. |
| Major: | | | | |
| James C. Taggart | .... | June 17, 1868 | ..... | Newburgh, N. Y. |
| Adjutant: | | | | |
| James T. Joslin | .... | Sept. 13, 1871 | ..... | Newburgh, N. Y. |
| Quartermaster: | | | | |
| George H. Wood | .... | July 9, 1866 | ..... | Newburgh, N. Y. |
| Com. of Subsistence: | | | | |
| John C. Van Zile | .... | Aug. 18, 1868 | ..... | Newburgh, N. Y. |
| Surgeon: | | | | |
| R. V. K. Montfort | .... | June 26, 1871 | ..... | Newburgh, N. Y. |
| Assistant Surgeon: | | | | |
| J. De Forest Nicholas | .... | June 26, 1871 | ..... | Newburgh, N. Y. |
| Chaplain: | | | | |
| Peter Brown | .... | Oct. 18, 1854 | ..... | Newburgh, N. Y. |
| Captains: | | | | |
| John S. Watts | E | Dec. 3, 1861 | ..... | Newburgh, N Y. |
| Thomas B. Young | A | Oct. 6, 1866 | ..... | Walden, N. Y. |
| James T. Chase | D | Feb. 12, 1868 | ..... | Newburgh, N. Y. |
| Francis Rose | F | Sept. 2, 1869 | ..... | Newburgh, N. Y. |
| Robert Kenochan | C | Aug. 7, 1871 | ..... | Newburgh, N. Y. |
| First Lieutenants: | | | | |
| George W. Hawkins | D | Feb. 12, 1868 | ..... | Newburgh, N. Y. |
| Edwin J. F. Marsh | C | April 6, 1868 | ..... | Newburgh, N. Y. |
| Patrick Brenan | F | Sept. 2, 1869 | ..... | Newburgh, N. Y. |
| William H. Tice | E | Sept. 30, 1869 | ..... | Newburgh, N. Y. |
| Augustus Neafie | A | Nov. 20, 1869 | ..... | Walden, N. Y. |
| Bartholomew B. Moore | I | Mar. 3, 1871 | ..... | Newburgh, N. Y. |
| Second Lieutenants: | | | | |
| John S. Terwilliger | D | Dec. 31, 1868 | ..... | Newburgh, N. Y. |
| Robert H. Brown | F | Sept. 20, 1869 | ..... | Newburgh, N. Y. |
| Jacob Ostrander | A | Nov. 20, 1869 | ..... | Montgomery, N. Y. |
| John H. Brooks | C | April 4, 1870 | ..... | Newburgh, N. Y. |
| George Wallace | I | Sept. 16, 1870 | ..... | Newburgh, N. Y. |
| Edward D. Hayt | E | Mar. 7, 1871 | ..... | Newburgh, N. Y. |

Register of Military Force — (Continued).

TWENTIETH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Walter A. Van Rensselaer | .... | Aug. 1, 1868 | ..... | Kingston, N. Y. |
| Lieutenant-Colonel: | | | | |
| Patrick J. Flynn | ... | Jan. 1, 1868 | ..... | Rondout, N. Y. |
| Major: | | | | |
| M. P. Schoonmaker | .... | Jan. 1, 1868 | ..... | Kingston, N. Y. |
| Adjutant: | | | | |
| David S. Hasbrouck | .... | Aug. 30, 1871 | ..... | Rondout, N. Y. |
| Quartermaster: | | | | |
| Andrew Dodge | .... | Jan. 1, 1871 | ..... | Marlborough, N. Y. |
| Com. of Subsistence: | | | | |
| C. Meech Woolsey | .... | Nov. 2, 1867 | ..... | Rondout, N. Y. |
| Surgeon: | | | | |
| George C. Smith | .... | Jan. 1, 1868 | ..... | Kingston, N. Y. |
| Assistant Surgeon: | | | | |
| Joseph D. Keyser | .... | July 12, 1867 | ..... | Kingston, N. Y. |
| Chaplain: | | | | |
| David N. Vanderveer | .... | July 12, 1867 | ..... | Saugerties, N. Y. |
| Captains: | | | | |
| Demetrius J. France | D | Sept. 1, 1868 | ..... | West Hurley, N. Y. |
| Edward Jernegan | C | Sept. 10, 1868 | ..... | Rosendale, N. Y. |
| Martin Snyder | I | Sept. 15, 1868 | ..... | High Falls, N. Y. |
| John H. Middaugh | A | Nov. 10, 1868 | ..... | Saugerties, N. Y. |
| Henry C. Carmon | G | Dec. 19, 1868 | ..... | Kingston, N. Y. |
| Edward O'Reily | F | June 1, 1870 | ..... | Rondout, N. Y. |
| Burnett Freer | H | Sept. 15, 1870 | ..... | Whitefort, N. Y. |
| Hyman F. Styles | B | Jan. 1, 1871 | ..... | Kingston, N. Y. |
| Willett S. Hasbrouck | E | Oct. 9, 1871 | ..... | Rondout, N. Y. |
| First Lieutenants: | | | | |
| Anson Bodley | I | Oct. 9, 1866 | ..... | High Falls, N. Y. |
| Thomas O'Brien | C | Nov. 6, 1867 | ..... | Rosendale, N. Y. |
| M. T. Hardenburgh | D | Sept. 1, 1868 | ..... | West Hurley, N. Y. |
| Chas. J. Eno | G | Nov. 10, 1868 | ..... | Accord, N. Y. |
| Peter Gill | F | June 1, 1870 | ..... | Rondout, N. Y. |
| Francis McCloud | H | Sept. 15, 1870 | ..... | Whitefort, N. Y |
| Edward Betts | E | Nov. 1, 1870 | ..... | Rondout, N. Y. |
| Chauncey Lewis | A | Nov. 24, 1870 | ..... | Saugerties, N. Y |
| Second Lieutenants: | | | | |
| Lansing Terwilliger | I | Oct. 29, 1866 | ..... | High Falls, N. Y. |
| John McDonald | C | Nov. 6, 1867 | ..... | Rondout, N. Y. |
| John F. Capen | A | Sept. 10, 1868 | ..... | Kingston, N.Y. |
| Edward H. Van Nostrand | B | Sept. 23, 1868 | ..... | Rosendale, N. Y. |
| Alfred Van Warner | G | Nov. 10, 1868 | ..... | Accord, N. Y. |
| James Charlton | F | Feb. 1, 1869 | ..... | Rondout, N. Y. |
| Robert Dixon | H | Sept. 15, 1870 | ..... | Whitefort, N. Y. |
| Ephraim D. Van Wagoner | E | Oct. 9, 1871 | ..... | Rondout, N. Y. |

Register of Military Force—(Continued).

TWENTY-FIRST REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| James Smith | .... | Mar. 25, 1868 | ..... | Poughkeepsie, N. Y. |
| Lieutenant-Colonel: | | | | |
| Alfred F. Lindley | .... | Sept. 16, 1870 | ..... | Poughkeepsie, N. Y. |
| Major: | | | | |
| George L. Dennis | .... | Mar. 22, 1866 | ..... | Poughkeepsie, N. Y. |
| Adjutant: | | | | |
| George H. Williams | .... | May 1, 1868 | ..... | Poughkeepsie, N. Y. |
| Quartermaster: | | | | |
| Henry F. Clark | .... | Nov. 5, 1869 | ..... | Poughkeepsie, N. Y. |
| Surgeon: | | | | |
| Cornelius N. Campbell | .... | June 25, 1868 | ..... | Poughkeepsie, N. Y. |
| Assistant-Surgeon: | | | | |
| John P. Wilson | .... | Aug. 15, 1871 | ..... | Pleasant Valley, N. Y. |
| Chaplain: | | | | |
| Daniel G. Wright | .... | May 16, 1867 | ..... | Poughkeepsie, N. Y. |
| Captains: | | | | |
| William Haubennestel | D | Nov. 12, 1866 | ..... | Poughkeepsie, N. Y. |
| George Schlude | G | Oct. 12, 1867 | ..... | Poughkeepsie, N. Y. |
| Charles M. Davidson | C | Oct. 1, 1869 | ..... | Poughkeepsie, N. Y. |
| Samuel Underhill | H | Oct. 26, 1869 | ..... | Fishkill Landing, N. Y. |
| Samuel K. Darrow, Jr | A | Oct. 7, 1870 | ..... | Poughkeepsie, N. Y. |
| George W. Winchell | K | Nov. 1, 1870 | ..... | Wappinger's Falls, N. Y. |
| Joseph G. West | E | Jan. 14, 1871 | ..... | Pleasant Valley, N. Y. |
| Alexander Near | B | Aug. 24, 1871 | ..... | Red Hook, N. Y. |
| Hugh O. Connell | I | Oct. 27, 1871 | ..... | Wappinger's Falls, N. Y. |
| Louis Muckenhoupt | F | Dec. 4, 1871 | ..... | Poughkeepsie, N. Y. |
| First Lieutenants: | | | | |
| Alfred Sherman | D | Nov. 12, 1866 | ..... | Poughkeepsie, N. Y. |
| Nelson Hapeman | B | Mar. 20, 1869 | ..... | Red Hook, N. Y. |
| Theodore D. Griswold | C | Oct. 1, 1869 | ..... | Poughkeepsie, N. Y. |
| Henry B. Hoff | G | June 2, 1870 | ..... | Poughkeepsie, N. Y. |
| Walter Palmateer | E | Aug. 6, 1870 | ..... | Pleasant Valley, N. Y. |
| Lewis Ellis | H | Oct. 2, 1870 | ..... | Fishkill Landing, N. Y. |
| Lewis K. Vail | A | Oct. 7, 1870 | ..... | Poughkeepsie, N. Y. |
| Joseph Moore | I | Oct. 27, 1870 | ..... | Wappinger's Falls, N. Y. |
| John Muckenhoupt | F | Dec. 4, 1871 | ..... | Poughkeepsie, N. Y. |
| Edward P. Felter | K | Dec. 8, 1871 | ..... | Wappinger's Falls, N. Y. |
| Second Lieutenants: | | | | |
| Henry Hupe | G | Oct. 12, 1867 | ..... | Poughkeepsie, N. Y. |
| Daniel Dubois | E | Aug. 6, 1870 | ..... | Pleasant Valley, N. Y. |
| J. Reynolds Adriance | A | Oct. 7, 1870 | ..... | Poughkeepsie, N. Y. |
| Michael Flynn, Jr. | I | Oct. 27, 1870 | ..... | Wappinger's Falls, N. Y. |
| Robert J. Gilmer | H | Nov. 28, 1870 | ..... | Fishkill Landing, N. Y. |
| Louis P. Haubennestel | D | Aug. 9, 1871 | ..... | Poughkeepsie, N. Y. |
| Jacob Stahl | B | Aug. 24, 1871 | ..... | Red Hook, N. Y. |
| Charles Messerschmitt | F | Dec. 4, 1871 | ..... | Poughkeepsie, N. Y. |
| John Dinger | K | Dec. 8, 1871 | ..... | Wappinger's Falls, N. Y. |

Register of Military Force — (Continued).

TWENTY-SECOND REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Josiah Porter | .... | Oct. 11, 1869 | ..... | 59 Liberty st., N. Y. city. |
| Lieutenant-Colonel: | | | | |
| David S. Brown | .... | April 14, 1871 | ..... | 235 East 31st st., N. Y. city. |
| Major: | | | | |
| W. J. A. McGrath | .... | April 14, 1871 | ..... | 32 West 28th st., N. Y. city. |
| Adjutant: | | | | |
| Wm. J. Harding | .... | Oct. 11, 1869 | ..... | 141 West 22d st., N. Y. city. |
| Quartermaster: | | | | |
| Rowland A. Robbins | .... | Oct. 2, 1871 | ..... | 147 Chambers st., N. Y. city. |
| Surgeon: | | | | |
| Louis A. Rodenstein | .... | Oct. 11, 1869 | ..... | Manhattanville, N. Y. |
| Assistant Surgeon: | | | | |
| Charles F. Roberts | .... | Oct. 11, 1869 | ..... | 447 Second ave., N. Y. city. |
| Captains: | | | | |
| Richard Vose | D | June 25, 1866 | ..... | 1 Barclay st., N. Y. city. |
| Geo. J. Clan Ranald | F | Feb. 24, 1867 | ..... | 35 West 4th st., N. Y. city. |
| Thomas Tate, Jr. | C | April 21, 1869 | ..... | 81 Barrow st., N. Y. city. |
| R. Kelly Styles | A | Aug. 20, 1869 | ..... | 36 West 48th st., N. Y. city. |
| Morris Duckworth | I | Dec. 8, 1869 | ..... | 3 St. Luke's place, N. Y. city. |
| Dunnelle Van Schaack | H | Jan. 11, 1870 | ..... | 168 Chambers st., N. Y. city. |
| Albert E. Colfax | B | Mch. 20, 1871 | ..... | 234 Broadway, N. Y. city. |
| John Briggs | G | June 5, 1871 | ..... | 260 Stanton st., N. Y. city. |
| First Lieutenants: | | | | |
| Thomas Cornisky | G | Mch. 12, 1869 | ..... | 65 Wall st., N. Y. city. |
| Charles D. Topping | C | April 21, 1869 | ..... | 171 Broadway, N. Y. city. |
| Joseph W. Congdon | E | Jan. 14, 1870 | ..... | 332 Broadway, N. Y. city. |
| John H. Horsfall | I | Sept. 14, 1870 | ..... | 129 Bank st., N. Y. city. |
| Samuel E. Briggs | A | Dec. 12, 1870 | ..... | 101 East 34th st., N. Y. city. |
| J. L. Huggins | H | Dec. 13, 1870 | ..... | 19 West 12th st., N. Y. city. |
| Samuel M. Smith | D | Mch. 14, 1871 | ..... | 340 Broadway, N. Y. city. |
| William P. Bogert | B | Mch. 20, 1871 | ..... | 68 Bank st., N. Y. city. |
| Charles Gamble | F | Oct. 2, 1871 | ..... | 241 East 18th st., N. Y. city. |
| Second Lieutenants: | | | | |
| Aaron B. Carpenter | I | June 7, 1869 | ..... | 29 Wall st., N. Y. city. |
| Marvin R. Pearsall | B | June 21, 1869 | ..... | 55 West 47th st., N. Y. city. |
| Edward A. Taylor | C | Nov. 8, 1869 | ..... | 47 Leonard st., N. Y. city. |
| John W. Castree | A | Dec. 12, 1870 | ..... | 356 West 19th st., N. Y. city. |
| Andrew Ritchie | H | Dec. 13, 1870 | ..... | 535 West 18th st., N. Y. city. |
| James A. Terhune | D | Mch. 14, 1871 | ..... | New York city. |
| Henry M. Knapp | G | June 5, 1871 | ..... | 271 Broadway, N. Y. city. |
| William H. Beckwith | F | Oct. 2, 1871 | ..... | 322 East 18th st., N. Y. city. |
| Wilmot M. Dunning | E | Oct. 11, 1871 | ..... | 232 West 17th st., N. Y. city. |

Register of Military Force — (Continued).

TWENTY-THIRD REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Rodney C. Ward | .... | June 25, 1868 | ..... | Brooklyn, N. Y. |
| Lieutenant-Colonel: | | | | |
| Stephen H. Farnham | .... | June 25, 1868 | ..... | Brooklyn, N. Y. |
| Major: | | | | |
| John N. Partridge | .... | June 7, 1870 | ..... | Brooklyn, N. Y. |
| Adjutant: | | | | |
| Henry S. Manning | ... | June 6, 1870 | Captain, N. G. | Brooklyn, N. Y. |
| Quartermaster: | | | | |
| Robert C. Ogden | .... | Feb. 22, 1869 | ..... | Brooklyn, N. Y. |
| Com. of Subsistence: | | | | |
| James L. Morgan | .... | June 21, 1869 | ..... | Brooklyn, N. Y. |
| Surgeon: | | | | |
| John C. Goodridge | .... | June 1, 1870 | ..... | Brooklyn, N. Y. |
| Chaplain: | | | | |
| Norman Seaver | .... | Sept. 29, 1869 | ..... | Brooklyn, N. Y. |
| Captains: | | | | |
| Dudley W. Van Ingen | A | Oct. 3, 1863 | ..... | Brooklyn, N. Y. |
| Charles H. Jay | F | Feb. 20, 1864 | ..... | Brooklyn, N. Y. |
| Anthony Elmendorf | E | June 15, 1865 | ..... | Brooklyn, N. Y. |
| Charles E. Satterlee | D | Nov. 5, 1869 | ..... | Brooklyn, N. Y. |
| Charles E. Truslow | B | Jan. 12, 1870 | ..... | Brooklyn, N. Y. |
| James M. Stephenson | I | Nov. 22, 1870 | ..... | Brooklyn, N. Y. |
| Edward N. Morton | G | Dec. 2, 1870 | ..... | Brooklyn, N. Y. |
| Robert P. Lyon | K | Jan. 31, 1871 | ..... | Brooklyn, N. Y. |
| Charles S. West | C | Mar. 6, 1871 | ..... | Brooklyn, N. Y. |
| First Lieutenants: | | | | |
| Joseph G. Storey | A | Mar. 1, 1867 | ..... | Brooklyn, N. Y. |
| Wm. H. Bourdette | F | Nov. 19, 1867 | ..... | Brooklyn, N. Y. |
| Lucius H. Conklin | B | July 27, 1870 | ..... | Brooklyn, N. Y. |
| Bernard A. McCormick | E | Nov. 3, 1870 | ..... | Brooklyn, N. Y. |
| Frederick M. Lawrence | G | Dec. 2, 1870 | ..... | Brooklyn, N. Y. |
| John W. Marshall | D | June 19, 1871 | ..... | Brooklyn, N. Y. |
| John Merritt | C | July 10, 1871 | ..... | Brooklyn, N. Y. |
| Thomas M. Bissett | K | July 31, 1871 | ..... | Brooklyn, N. Y. |
| Edward G. Robertson | I | Oct. 10, 1871 | ..... | Brooklyn, N. Y. |
| Second Lieutenants: | | | | |
| Francis H. Howland | A | Mar. 5, 1869 | ..... | Brooklyn, N. Y. |
| Clarence W. Montgomery | D | Nov. 5, 1869 | ..... | Brooklyn, N. Y. |
| George B. Ward | G | Dec. 2, 1870 | ..... | Brooklyn, N. Y. |
| John M. Moore | K | Jan. 31, 1871 | ..... | Brooklyn, N. Y. |
| Rufus F. Zogbaum | C | July 10, 1871 | ..... | Brooklyn, N. Y. |
| Isaac B. Jacobs | I | Oct. 10, 1871 | ..... | Brooklyn, N. Y. |
| George H. Benton | F | Dec. 5, 1871 | ..... | Brooklyn, N. Y. |

Register of Military Force—(Continued).

TWENTY-FOURTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| George T. Steenberg | .... | Jan. 6, 1869 | ..... | Troy, N. Y. |
| Lieutenant-Colonel: | | | | |
| John McKenna | .... | Dec. 23, 1870. | ..... | Troy, N. Y. |
| Major: | | | | |
| William H. Munn | .... | Dec. 23, 1870 | ..... | Troy, N. Y. |
| Adjutant: | | | | |
| John S. Saunders | .... | Sept. 1, 1870 | ..... | Troy, N. Y. |
| Quartermaster: | | | | |
| W. A. Rouseau | .... | July 4, 1871 | ..... | Troy, N. Y. |
| Com. of Subsistence: | | | | |
| William H. Frear | .... | Feb. 10, 1869 | ..... | Troy, N. Y. |
| Surgeon: | | | | |
| Melanchten Campbell | ... | April 20, 1871 | ..... | Troy, N. Y. |
| Assistant Surgeon: | | | | |
| Charles G. Clark | ... | April 20, 1871 | ..... | Troy, N. Y. |
| Chaplain: | | | | |
| William Irvin | .... | Aug. 20, 1867 | ..... | Troy, N. Y. |
| Captains: | | | | |
| Moses A. Upham | I | Oct. 27, 1862 | ..... | Troy, N. Y. |
| John Duke | B | Jan. 5, 1868 | ..... | Troy, N. Y. |
| Austin F. Park | G | Nov. 11, 1869 | ..... | Troy, N. Y. |
| Michael Timpaine | E | Nov. 11, 1869 | ..... | Troy, N. Y. |
| Andrew H. Howe | D | Jan. 29, 1870 | ..... | Troy, N. Y. |
| Adolph Becker | K | Oct. 11, 1870 | ..... | Troy, N. Y. |
| John Thompson | F | Jan. 5, 1871 | ..... | Troy, N. Y. |
| P. J. Fitzgerald | H | Mch. 13, 1871 | ..... | Troy, N. Y. |
| William Pettes | A | May 11, 1871 | ..... | Troy, N. Y. |
| Second Lieutenant: | | | | |
| James Hennessey | E | Oct. 9, 1866 | ..... | Troy, N. Y. |
| Daniel Sweeny | B | Jan. 15, 1868 | ..... | Troy, N. Y. |
| H. L. St. Ormand | D | Jan. 29, 1870 | ..... | Troy, N. Y. |
| John W. Cole | G | Feb. 3, 1870 | ..... | Troy, N. Y. |
| Michael Riley | I | May 20, 1870 | ..... | Troy, N. Y. |
| Thomas J. Calder | H | Aug. 1, 1870 | ..... | Troy, N. Y. |
| Godfrey Zimmerman | K | Oct. 11, 1870 | ..... | Troy, N. Y. |
| Frank H. Fails | F | Jan. 5, 1871 | ..... | Troy, N. Y. |
| George S. Page | A | May 11, 1871 | ..... | Troy, N. Y. |
| Second Lieutenants: | | | | |
| Thomas Galvin | B | Jan. 15, 1868 | ..... | Troy, N. Y. |
| William Pettis | H | Jan. 13, 1869 | ..... | Troy, N. Y. |
| Franklin Wright | G | Feb. 3, 1870 | ..... | Troy, N. Y. |
| James B. Howe | E | May 27, 1870 | ..... | Troy, N. Y. |
| Herman Carl | K | Oct. 11, 1870 | ..... | Troy, N. Y. |
| William D. Keith | A | May 11, 1871 | ..... | Troy, N. Y. |
| Thomas J. Gilcoyne | D | July 31, 1871 | ..... | Troy, N. Y. |
| John Miller | F | Dec. 28, 1871 | ..... | Troy, N. Y. |

Register of Military Force — (Continued).

TWENTY-FIFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Frederick Andes | .... | June 10, 1870 | ..... | Cor. Van Vechten and Elizabeth streets, Albany. |
| Lieutenant-Colonel: | | | | |
| Matthias J. Severance | .... | June 10, 1870 | ..... | No. 14 Beaver street, Albany. |
| Major: | | | | |
| James M. Carlin | .... | Feb. 6, 1869 | ..... | No. 8 Madison avenue, Albany. |
| Adjutant: | | | | |
| C. O. Herman Loeper | .... | Feb. 29, 1868 | ..... | No. 265 South Pearl st., Albany. |
| Quartermaster: | | | | |
| August Tolle | .... | Sept. 5, 1867 | ..... | No. 79 Hamilton street, Albany. |
| Com. of Subsistence: | | | | |
| Theodore Papen | .... | Sept. 5, 1867 | ..... | No. 89 Schuyler street, Albany. |
| Surgeon: | | | | |
| Louis M. Duenkelmyer | .... | Sept. 5, 1867 | ..... | No. 580 Broadway, Albany. |
| Chaplain: | | | | |
| Jacob F. Neef | .... | Sept. 1, 1870 | ..... | No. 84 Schuyler street, Albany. |
| Captains: | | | | |
| George Krank | K | Sept. 26, 1866 | ..... | Cor. W'hall & Eliz'th sts., Albany. |
| George Held | E | Oct. 25, 1867 | ..... | Cor. Bassett & Franklin sts., Alb. |
| Frank A. Schumacher | D | June 17, 1868 | ..... | No. 30 Elm street, Albany. |
| Daniel O. Sullivan | G | Feb. 15, 1869 | ..... | No. 99 Franklin street, Albany. |
| John Cremers | F | April 28, 1869 | ..... | No. — Van Vechten st., Albany. |
| John McCaully | B | May 19, 1869 | ..... | No. 194 Orange street, Albany. |
| Thomas Dunn | C | April 18, 1870 | ..... | Morris, near Knox st., Albany. |
| Henry G. Gomph | I | May 25, 1871 | ..... | No. 25 Church street, Albany. |
| Frederick Shifferdecker | A | Aug. 9, 1871 | ..... | Cor. S. Pearl & V. Vech'n sts., Alb. |
| William Grammer | H | Sept. 23, 1871 | ..... | No. 115 Sherman street. Albany. |
| First Lieutenants: | | | | |
| Daniel Sommers | E | Nov. 7, 1867 | ..... | No. 281 Washington ave., Albany. |
| Charles Hoffman | A | Jan. 6, 1869 | ..... | No. 46 Alexander street, Albany. |
| James P. Pender | C | Mar. 30, 1869 | ..... | No. 74 Park avenue, Albany. |
| John O. Hare | B | July 27, 1869 | ..... | No. 110 N. Swan street, Albany. |
| John A. Tracey | G | April 20, 1871 | ..... | No. 114 Canal street, Albany. |
| William Sheffer | I | May 25, 1871 | ..... | Albany, N. Y. |
| Frank Froehlich | D | Aug. 10, 1871 | ..... | Cor. Sherman & Perry sts., Alb'y. |
| John Monch | H | Aug. 12, 1871 | ..... | No. 59 Madison avenue, Albany. |
| Elias F. F. Andes | K | Sept. 23, 1871 | ..... | Cor. V. Vech'n & Eliz'h sts., Alb'y. |
| Henry Hoffman | F | Nov. 10, 1871 | ..... | No. 12 Tennis street, Albany. |
| Second Lieutenants: | | | | |
| Thomas F. Quinn | G | Dec. 12, 1866 | ..... | No. 179 Jefferson street, Albany. |
| Patrick Flannigan | C | Mar. 30, 1869 | ..... | No. 70 Myrtle avenue, Albany. |
| Henry Lorea | F | April 28, 1869 | ..... | Cor. Clinton & W'hall, Albany. |
| Thomas Rodgers | B | July 27, 1869 | ..... | No. 77 Van Woert street, Albany. |
| Charles Prince | A | May 25, 1870 | ..... | No. 241 So. Pearl street, Albany. |
| John Springer | H | June 21, 1870 | ..... | No. 19 Central avenue, Albany. |
| Henry P. Roos | E | Dec. 30, 1870 | ..... | No. 316 Hudson avenue, Albany. |
| Rudolfe C. Wilke | I | May 25, 1871 | ..... | No. 90 Hamilton street, Albany. |
| John Diehl | D | Aug. 10, 1871 | ..... | No. 59 Spring street, Albany. |
| Andrew Brickner | K | Sept. 23, 1871 | ..... | No. 2 Columbia street, Albany. |

Register of Military Force — (Continued).

TWENTY-SIXTH BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Major: | | | | |
| John Peattie | | July 21, 1871 | | Utica, N. Y. |
| Adjutant: | | | | |
| John H. Jones | | Nov. 1, 1871 | | Utica, N. Y. |
| Surgeon: | | | | |
| Warren E. Day | | Sept. 9, 1871 | | Utica, N. Y. |
| Captains: | | | | |
| Edward O. Jones | A | Sept. 8, 1868 | | Utica, N. Y. |
| John P. Kelly | B | Sept. 11, 1868 | | Utica, N. Y. |
| Patrick J. Kelly | C | Sept. 16, 1868 | | Utica, N. Y. |
| David E. Thomas | E | April 21, 1869 | | Utica, N. Y. |
| First Lieutenants: | | | | |
| Thomas Judge | B | Sept. 11, 1868 | | Utica, N. Y. |
| Edward B. Jones | E | April 21, 1869 | | Utica, N. Y. |
| Thelwin Jones | A | Sept. 11, 1871 | | Utica, N. Y. |
| Second Lieutenants: | | | | |
| John W. Gossin | B | Sept. 11, 1868 | | Utica, N. Y. |
| Charles H. Brazee | E | Jan. 17, 1870 | | Utica, N. Y. |
| James A. Norton | A | Aug. 16, 1871 | | Utica, N. Y. |

Register of Military Force—(Continued).

TWENTY-EIGHTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Joseph Burger | ... | Aug. 23, 1869 | ..... | Cor. Meserole and Leonard streets, Brooklyn. |
| Lieutenant-Colonel: | | | | |
| Frederick W. Obernier | .... | Dec. 6, 1871 | ..... | 57 Montrose avenue, Brooklyn. |
| Major: | | | | |
| Anthony Wills | .... | Dec. 6, 1871 | ..... | 125 Broadway, Brooklyn. |
| Adjutant: | | | | |
| Albin Gustave Pape | .... | Nov. 1, 1871 | ..... | 54 Yates avenue, Brooklyn. |
| Com. of Subsistence: | | | | |
| Philip Kraushaar | .... | Aug. 1, 1868 | ..... | 87 Court street, Brooklyn. |
| Surgeon: | | | | |
| Julius C. Rappold | .... | June 12, 1865 | ..... | 15 Flushing avenue, Brooklyn. |
| Assistant-Surgeon: | | | | |
| Eugene Groux | .... | Aug. 15, 1871 | ..... | 13 Ten Eyck street, Brooklyn. |
| Captains: | | | | |
| Samuel Wendelt | A | Nov. 15, 1861 | ..... | 65 North 3d street, Brooklyn, E. D. |
| Joseph Merkert | I | Dec. 18, 1861 | ..... | 239 School street, Brooklyn, E. D. |
| Joseph Altenbrand | C | July 26, 1862 | ..... | 89 Barclay street, New York city. |
| John Eger | B | June 25, 1868 | ..... | 89 Johnson ave., Brooklyn, E. D. |
| Charles H. Koch | K | Sept. 22, 1869 | ..... | 973 Myrtle avenue, Brooklyn, E. D. |
| George Mattern | E | Feb. 8, 1870 | ..... | 52 Dean street, Brooklyn. |
| John Schweizer | G | May 25, 1871 | ..... | 74 Graham ave., Brooklyn, E. D. |
| First Lieutenants: | | | | |
| Henry Steinheuser | C | July 13, 1866 | ..... | Cor. Ala. & Atlan. ave., Brooklyn. |
| John Charles Meyer | D | Aug. 10, 1869 | ..... | 208 Washington street, Brooklyn. |
| Charles F. Peters | K | Sept. 22, 1869 | ..... | 419 Adelphi street, Brooklyn. |
| John Bauer | I | Nov. 9, 1869 | ..... | Cor. B'way & Whipple st., B'klyn. |
| Henry Goepper | F | Nov. 24, 1869 | ..... | 239 Atlantic street, Brooklyn. |
| August Koerner | B | April 11, 1870 | ..... | 8th ave., bet. 45th & 46th sts., N.Y. |
| John Williams | G | May 25, 1871 | ..... | Cor. G'ham & H'bert, B'klyn, E.D. |
| William W. Vanderhoff | A | July 7, 1871 | ..... | 73 North 3d street, Brooklyn, E. D. |
| Second Lieutenants: | | | | |
| Charles Schultz | K | Sept. 22, 1869 | ..... | 124 Fulton street, Brooklyn. |
| Ferdinand Schnepf | C | Oct. 20, 1869 | ..... | Alabama avenue, Brooklyn. |
| Peter Fischer | F | Jan. 26, 1870 | ..... | 482 Atlantic street, Brooklyn. |
| George Wieland | E | Feb. 8, 1870 | ..... | 102 Fifth avenue, Brooklyn. |
| Anthony F. Hesse | B | April 28, 1870 | ..... | 65 Graham ave., Brooklyn, E. D. |
| Adolf Wilson | G | May 25, 1871 | ..... | 83 Bartlett street, Brooklyn, E. D. |

Register of Military Force—(Continued).

THIRTY-SECOND REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Henry E. Roehr | .... | April 8, 1871 | ..... | 59 Montrose avenue, Brooklyn. |
| Lieutenant-Colonel: | | | | |
| John Rueger | .... | April 8, 1871 | ..... | 498 Broadway, Brooklyn. |
| Major: | | | | |
| Frederick J. Karcher | .... | April 8, 1871 | ..... | 89 Meserole street, Brooklyn. |
| Quartermaster: | | | | |
| Herman B. Scharmann | ... | July 2, 1870 | ..... | Bushwick ave. & Scholes street, Brooklyn. |
| Com. of Subsistence: | | | | |
| Joseph Teitz | .... | July 19, 1869 | ..... | Remsen street and Bushwick ave., Brooklyn. |
| Surgeon: | | | | |
| Henry Loewenstein | ... | Oct. 2, 1871 | ..... | 210 Johnson avenue, Brooklyn. |
| Captains: | | | | |
| George Ghiel | B | Sept. 16, 1868 | ..... | 212 Ewen street, Brooklyn. |
| Matthias J. Petry | D | Oct. 8, 1868 | ..... | 115 Lorimer street, Brooklyn. |
| John Mannhardt | C | Mar. 19, 1870 | ..... | 229 Stagg street, Brooklyn. |
| George Ross | A | Aug. 4, 1870 | ..... | 576 Broadway, Brooklyn. |
| Casper Knaut | F | Aug. 8, 1870 | ..... | 138 Ewen street, Brooklyn. |
| Louis Bassert | H | Feb. 24, 1871 | ..... | 83 Montrose avenue, Brooklyn. |
| Christopher Lutz | G | April 8, 1871 | ..... | 450 Broadway, Brooklyn. |
| First Lieutenants: | | | | |
| Valentine Ebel | C | Sept. 11, 1868 | ..... | 342 River street, Brooklyn. |
| Louis Finkelmeir | D | Oct. 8, 1868 | ..... | 336 South street, Brooklyn. |
| Celestin Simon | A | Aug. 4, 1870 | ..... | 67 Wyckoff street, Brooklyn. |
| Charles Waage | B | Sept. 16, 1870 | ..... | 184 Bushwick avenue, Brooklyn. |
| August Frick | F | Oct. 7, 1870 | ..... | 177 Wyckoff street, Brooklyn, |
| John A. Dillmayer | H | Feb. 24, 1871 | ..... | 97 Montrose avenue, Brooklyn. |
| Second Lieutenants: | | | | |
| Abraham Plant | C | Sept. 11, 1868 | ..... | 64 Scholes street, Brooklyn. |
| Theodore Hellstern | E | Mar. 30, 1870 | ..... | Cor. Meserole & Lor'r sts., Bro'k'n |
| John M. Otto | A | Aug. 4, 1870 | ..... | 453 Grand street, Brooklyn. |
| Frederick Standermann. | B | Sept. 16, 1870 | ..... | 254 Grand street, Brooklyn. |
| Stanislaus R. Blumke | F | Oct. 7, 1870 | ..... | 65 Ewen street, Blooklyn. |
| John Wahl | H | Feb. 24, 1871 | ..... | 140 Remsen street, Brooklyn. |
| George Miller | G | April 8, 1871 | ..... | Cor. Walton & Troop ave., Brook'n |

Register of Military Force — (Continued).

THIRTY-THIRD BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank | Brevet rank. | Residence. |
|---|---|---|---|---|
| Major: | | | | |
| Franklin M. Beers | .... | Dec. 12, 1870 | ..... | Rome, N. Y. |
| Com. of Subsistence: | | | | |
| William M. Grady | .... | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Surgeon: | | | | |
| Thomas M. Flandreau | .... | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Captain: | | | | |
| Leverett E. Seymour | A | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Thomas Flanagan | B | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Daniel C. Swartfiguer | C | Nov. 23, 1868 | ..... | Rome, N. Y. |
| First Lieutenants: | | | | |
| James Russell | B | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Jacob Angley | D | Nov. 23, 1868 | ..... | Rome, N. Y. |
| James H. Quackenbush | A | Aug. 9, 1869 | ..... | Rome, N. Y. |
| Second Lieutenants: | | | | |
| Thomas J. Lanagan | B | Nov. 20, 1868 | ..... | Rome, N. Y. |
| Thomas J. Dunn | C | Nov. 22, 1868 | ..... | Rome, N. Y. |
| Gilbert Snow | A | April 9, 1869 | ..... | Rome, N. Y. |

Register of Military Force — (Continued).

THIRTY-FIFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| George W. Flower | .... | July 3, 1867 | ..... | Watertown, N. Y. |
| Lieutenant-Colonel: | | | | |
| William Reynolds | .... | Nov. 5, 1870 | ..... | Watertown, N. Y. |
| Major: | | | | |
| Lewis C. Greenleaf | .... | Nov. 5, 1870 | ..... | Watertown, N. Y. |
| Adjutant: | | | | |
| Chas. B. Fowler | .... | July 30, 1867 | ..... | Watertown, N. Y. |
| Quartermaster: | | | | |
| Frank S. Hubbard | .... | Oct. 7, 1870 | ..... | Watertown, N. Y. |
| Com. of Subsistence: | | | | |
| George M. Stone | .... | May 12, 1869 | ..... | Watertown, N. Y. |
| Captains: | | | | |
| Chester Weaver | E | June 6, 1867 | ..... | Smithville, N. Y. |
| Richard M. Lewis | G | July 2, 1868 | ..... | Sackett's Harbor, N. Y. |
| James M. Sigourney | K | Oct. 2, 1868 | ..... | Rutland, N. Y. |
| Marcus F. Inman | C | Mar. 30, 1869 | ..... | Rodman, N. Y. |
| Daniel D. Wait | F | Aug. 28, 1869 | ..... | Watertown, N. Y. |
| Othniel Williams | A | Oct. 23, 1870 | ..... | Ellisburgh, N. Y. |
| John Ward | I | Nov. 17, 1870 | ..... | Watertown, N. Y. |
| First Lieutenants: | | | | |
| Edward F. Rounds | A | July 14, 1866 | ..... | Pierrepont Manor, N. Y. |
| John W. Bartlett | E | Oct. 23, 1867 | ..... | Smithville, N. Y. |
| Albert D. Lane | G | Oct. 23, 1867 | ..... | Sackett's Harbor, N. Y. |
| Barney Holcomb | F | Dec. 24, 1867 | ..... | Watertown, N. Y. |
| Samuel B. Kellogg | C | Mar. 30, 1869 | ..... | Rodman, N. Y. |
| Lewis C. Hazzard | H | June 22, 1869 | ..... | Watertown, N. Y. |
| Barney Patnoe | I | Nov. 17, 1870 | ..... | Watertown, N. Y. |
| Second Lieutenants: | | | | |
| Chas. M. Morrison | B | Oct. 23, 1867 | ..... | Watertown, N. Y. |
| Walter C. McDonald | G | Oct. 23, 1867 | ..... | Sackett's Harbor, N. Y. |
| Henry L. Benjamin | E | Dec. 11, 1867 | ..... | Smithville, N. Y. |
| Chas. A. Sigourney | K | Oct. 2, 1868 | ..... | Rutland, N. Y. |
| Jacob C. Donlan | I | Jan. 27, 1869 | ..... | Watertown, N. Y. |
| G. K. Abner | C | May 20, 1869 | ..... | Rodman, N. Y. |
| Edwin C. Amader | F | Sept. 6, 1869 | ..... | Watertown, N. Y. |

Register of Military Force — (Continued).

FORTY-FOURTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Jacob C. Robie | .... | May 24, 1867.. | ... | Binghamton, N. Y. |
| Lieutenant-Colonel: | | | | |
| Robert Brown | .... | Dec. 12, 1867.. | ..... | Binghamton, N. Y. |
| Major: | | | | |
| John P. Worthing | ... | Dec. 12, 1867.. | ..... | Binghamton, N. Y. |
| Adjutant: | | | | |
| James F. Pettit | .... | Sept. 25, 1871.. | ..... | Binghamton, N. Y. |
| Quartermaster: | | | | |
| Cornelius H. Webster | .... | July 1, 1867.. | ..... | Binghamton, N. Y. |
| Surgeon: | | | | |
| Charles B. Richards | .... | July 1, 1867.. | ..... | Binghamton, N. Y. |
| Assistant Surgeon: | | | | |
| D. Post Jackson | .... | July 1, 1867.. | ..... | Binghamton, N. Y. |
| Chaplain: | | | | |
| Daniel W. Bristol | ... | July 1, 1867.. | ..... | Binghamton, N. Y. |
| Captains: | | | | |
| Parley M. Brown | E | Sept. 12, 1867.. | ..... | Whitney's Point, N. Y. |
| William C. Pollard | F | Oct. 18, 1867.. | ..... | Maine, N. Y. |
| Joseph W. Williams | B | Jan. 17, 1868.. | ..... | Binghamton, N. Y. |
| Orville E. Couse | H | Nov. 5, 1868.. | ..... | Glen Aubrey, N. Y. |
| Jabez J. Lewis | D | Dec. 26, 1868.. | ..... | Castle Creek, N. Y. |
| Albert A. Dodge | G | Mch. 31, 1870.. | ..... | Port Crane, N. Y. |
| William S. Jay | C | Aug. 1, 1870.. | ..... | Binghamton, N. Y. |
| Charles R. Brown | A | April 15, 1871.. | ..... | Binghamton, N. Y. |
| First Lieutenants: | | | | |
| Amos Howard | F | Aug. 17, 1867.. | ..... | |
| William M. Collins | E | Sep. 12, 1867.. | ..... | Whitney's Point, N. Y. |
| James B. Stoddard | H | Nov. 5, 1868.. | ..... | Glen Aubrey, N. Y. |
| Charles Williamson | D | Dec. 26, 1868.. | ..... | Castle Creek, N. Y. |
| James M. Bullis | B | Sep. 20, 1869.. | ..... | Binghamton, N. Y. |
| Hugh W. Lynch | G | Mch. 31, 1870.. | ..... | Port Crane, N. Y. |
| Warren E. Vandeburgh | A | July 7, 1870. | ..... | Binghamton, N. Y. |
| Manton E. Anderson | C | Aug. 1, 1870.. | ..... | Binghamton, N. Y. |
| Second Lieutenants: | | | | |
| Darwin F. Vanderburgh | H | Nov. 5, 1868.. | ..... | Glen Aubrey, N. Y. |
| Sidney Nowlan | G | Nov. 7, 1868.. | ..... | Port Crane, N. Y. |
| Frank Paisley | D | Dec. 16, 1868. | ..... | Castle Creek, N. Y. |
| George Eichenbergh | E | Jan. 16, 1869.. | ..... | Whitney's Point, N. Y. |
| Benjamin W. Wells | C | Aug. 1, 1870.. | ..... | Binghamton, N. Y. |
| Orin S. Tinney | A | April 15, 1871.. | ..... | Binghamton, N. Y. |
| Mason J. Tupper, Jr. | B | Aug. 16, 1871.. | ..... | Binghamton, N. Y. |

Register of Military Force — (Continued).

FORTY-SEVENTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| David E. Auston | .... | May 9, 1868 | ..... | 84 Hewes street, Brooklyn, N. Y. |
| Lieutenant-Colonel: | | | | |
| George E. Orton | .... | April 4, 1871 | ..... | Penn st., near Lee av., Brooklyn. |
| Major: | | | | |
| Albert H. Rogers | .... | Jan. 25, 1868 | ..... | 56 South Sixth street, Brooklyn. |
| Adjutant: | | | | |
| Henry Hasler | ... | Nov. 13, 1871 | ..... | 28 Lee avenue, Brooklyn, N. Y. |
| Quartermaster: | | | | |
| Thomas B. Kniffen | .... | Jan. 5, 1870 | ..... | Wall House, Fourth st., Brooklyn. |
| Com. of Subsistence: | | | | |
| Chas. W. Hayes | .... | Jan. 5, 1870 | ..... | Fifth street, corner of South Sixth street, Brooklyn, N. Y. |
| Surgeon: | | | | |
| Edward M. Pendleton | .... | Mar. 1, 1871 | ..... | 141 South Fifth street, Brooklyn. |
| Chaplain: | | | | |
| William H. Taylor | .... | Mar. 1, 1871 | ..... | Green Point, N. Y. |
| Captains: | | | | |
| William Lamb | G | April 16, 1864 | ..... | 187 Wilson street, Brooklyn. |
| Robert M. Simons | C | April 21, 1868 | ..... | 197 South Third street, Brooklyn. |
| Alfred A. Doughty | B | May 25, 1869 | ..... | 203 Ross street, Brooklyn, N. Y. |
| George W. Averill | I | Sept. 20, 1870 | ..... | 73 Clinton place, Green Point. |
| Willard T. Allen | A | Oct. 29, 1870 | ..... | 202 South Ninth street, Brooklyn. |
| Edwin L. Bonny | E | Nov. 19, 1870 | ..... | 57 South Fourth street, Brooklyn. |
| Truman V. Tuttle | F | Mar. 6, 1871 | ..... | 157 South Eighth street, Brooklyn. |
| H. William King | D | June 22, 1871 | ..... | 149 South Fourth street, Brooklyn. |
| First Lieutenants: | | | | |
| Hubbard Hendrickson | G | April 23, 1869 | ..... | 117 Ainsley street, Brooklyn. |
| Thomas Young | C | April 28, 1869 | ..... | 73 Ross street, Brooklyn, N. Y. |
| William T. Denyse | B | May 25, 1869 | ..... | 303 South Fifth street, Brooklyn. |
| David Brower | E | Aug. 9, 1870 | ..... | 89 North Sixth street, Brooklyn. |
| W. C. Wetherbe | A | Oct. 29, 1870 | ..... | 138 Ross street, Brooklyn, N. Y. |
| Henry S. Dunn | F | Dec. 12, 1870 | ..... | Lexington ave., East Brooklyn. |
| Joseph N. Creamer | I | Oct. 19, 1871 | ..... | Brooklyn, Kings county, N. Y. |
| Second Lieutenants: | | | | |
| James Davidson | G | April 23, 1869 | ..... | 181 Ainsley street, Brooklyn. |
| James G. Kent | C | April 28, 1869 | ..... | 156 South Third street, Brooklyn. |
| John D. Brownell | E | Aug. 9, 1870 | ..... | 308 Lorraine street, Brooklyn. |
| Chas. M. Simonson | B | Sept. 8, 1870 | ..... | 196 South Second street, Brooklyn. |
| Joseph N. Creamer | I | Sept. 20, 1870 | ..... | 389 Leonard street, Brooklyn. |
| John C. Rogers | A | Oct. 29, 1810 | ..... | 526 Kent street, Brooklyn. |
| Wm. J. Powell | D | Mar. 10, 1871 | ..... | 249 South Third street, Brooklyn. |
| William Hurdt, Jr | F | Sept. 4, 1871 | ..... | Bedford av., cor. Taylor st., Brook. |

Register of Military Force — (Continued).

FORTY-EIGHTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Timothy Sullivan | .... | Aug. 5, 1865 | ..... | Oswego, N. Y. |
| Lieutenant-Colonel: | | | | |
| Alonzo B. Randall | .... | Sept. 30, 1862 | ..... | Oswego, N. Y. |
| Major: | | | | |
| Calvin V. Houghton | .... | Sept. 30, 1862 | ..... | Oswego, N. Y. |
| Adjutant: | | | | |
| Edward A. Cooke | ... | June 22, 1870 | Major | Oswego, N. Y. |
| Quartermaster: | | | | |
| Chester Penfield | .... | Sept. 12, 1863 | ..... | Oswego, N. Y. |
| Surgeon: | | | | |
| S. V. F Whited | .... | July 20, 1863 | ..... | Oswego, N. Y. |
| Asst. Com. of Sub.: | | | | |
| David H. Judson | .... | Feb. 1, 1871 | ..... | Oswego, N. Y. |
| Chaplain: | | | | |
| Frank F. Jewell | .... | Dec. 1, 1870 | ..... | Oswego, N. Y. |
| Captains: | | | | |
| John Edland | F | Aug. 18, 1863 | ..... | Oswego, N. Y. |
| Edward Sayers | E | Jan. 25, 1865 | ..... | Oswego, N. Y. |
| Max B. Richardson | H | April 7, 1865 | ..... | Oswego, N. Y. |
| George Hugunin | K | Sept. 5, 1865 | ..... | Oswego, N. Y. |
| Lawrence Johnson | D | April 6, 1866 | ..... | Oswego, N. Y. |
| Thomas Murray | G | April 9, 1867 | ..... | Oswego, N. Y. |
| Jacob E. Fisher | C | June 6, 1870 | ..... | Oswego, N. Y. |
| William L. Yeckley | A | July 14, 1870 | ..... | Oswego, N. Y. |
| Edwin L. Huntington | I | Aug. 3, 1870 | ..... | Mexico, N. Y. |
| First Lieutenants: | | | | |
| Thomas H. Martin | F | Aug. 18, 1863 | ..... | Oswego, N. Y. |
| Edward Monen | K | Sept. 4, 1864 | ..... | Oswego, N. Y. |
| Henry S. Chandler | H | Dec. 12, 1865 | ..... | Oswego, N. Y. |
| Leonard Copeland | D | April 6, 1866 | ..... | Oswego, N. Y. |
| Miles Kehoe | G | April 9, 1867 | ..... | Oswego, N. Y. |
| Lawrence Robinson | E | April 15, 1868 | ..... | Oswego, N. Y. |
| Frank E. Bergner | C | June 6, 1870 | ..... | Oswego, N. Y. |
| Hugh H. Herron | A | July 14, 1870 | ..... | Oswego, N. Y. |
| Homer M. Ames | I | Aug. 3, 1870 | ..... | Mexico, N. Y. |
| Second Lieutenants: | | | | |
| Jeremiah Kane | F | Dec. 10, 1863 | ..... | Oswego, N. Y. |
| James Malone | H | April 7, 1865 | ..... | Oswego, N. Y. |
| Peter Schilling | C | April 29, 1865 | ..... | Oswego, N. Y. |
| Edgar A. Van Horne | K | Sept. 16, 1865 | ..... | Oswego, N. Y. |
| John Shepard | D | Feb. 4, 1869 | ..... | Oswego, N. Y. |
| Benjamin F. Bailey | E | Jan. 5, 1870 | ..... | Oswego, N. Y. |
| William H. Sullivan | A | July 14, 1870 | ..... | Oswego, N. Y. |
| Franklin B. Gregory | I | Aug. 3, 1870 | ..... | Mexico, N. Y. |
| Michael T. Bough | G | June 26, 1871 | ..... | Oswego, N. Y. |

Register of Military Force — (Continued).

FORTY-NINTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Clinton D. McDougall | .... | June 8, 1867 | Brig.-General | Auburn, N. Y. |
| Lieutenant-Colonel: | | | | |
| E. Delavan Woodruff | .... | Sept. 7, 1870 | ..... | Auburn, N. Y. |
| Major: | | | | |
| Charles W. Crocker | .... | Sept. 7, 1870 | ..... | Auburn, N. Y. |
| Adjutant: | | | | |
| Jay E. Storke | .... | May 23, 1871 | ..... | Auburn, N. Y. |
| Quartermaster: | | | | |
| Richard Morgan | .... | Jan. 2, 1871 | ..... | Auburn, N. Y. |
| Assist't Com. of Subsist.: | | | | |
| John G. Selover | .... | Dec. 22, 1870 | ..... | Auburn, N. Y. |
| Surgeon: | | | | |
| Charles E. Van Anden | .... | Sept. 7, 1870 | ..... | Auburn, N. Y. |
| Assistant Surgeon: | | | | |
| Francis B. Casey | .... | Sept. 7, 1870 | ..... | Auburn, N. Y. |
| Chaplain: | | | | |
| John Brainard | .... | Sept. 7, 1870 | ..... | Auburn, N. Y. |
| Captains: | | | | |
| William H. Boyle | C | July 1, 1868 | ..... | Auburn, N. Y. |
| Henry C. Thompson | F | June 8, 1870 | ..... | Auburn, N. Y. |
| Frederick Haag | D | June 21, 1870 | ..... | Auburn, N. Y. |
| John Nolan | E | June 22, 1870 | ..... | Auburn, N. Y. |
| Michael Sullivan | G | June 30, 1870 | ..... | Auburn, N. Y. |
| Frank Owens | H | Nov. 1, 1870 | ..... | Auburn, N. Y. |
| James E. Fournier | A | Mch. 6, 1871 | ..... | Auburn, N. Y. |
| First Lieutenants: | | | | |
| Luke Brannick | C | July 1, 1868 | ..... | Auburn, N. Y. |
| Philip Boyne | E | June 22, 1870 | ..... | Auburn, N. Y. |
| Roger Quinn | G | June 30, 1870 | ..... | Auburn, N. Y. |
| Jacob J. Moak | H | July 1, 1870 | ..... | Auburn, N. Y. |
| George Mallalieu | F | Feb. 15, 1871 | ..... | Auburn, N. Y. |
| Second Lieutenants: | | | | |
| Michael Linnenback | D | June 21, 1870 | ..... | Auburn, N. Y. |
| Thomas Jackson | E | June 22, 1870 | ..... | Auburn, N. Y. |
| John Galvin | G | June 30, 1870 | ..... | Auburn, N. Y. |
| Samuel L. Bradburn | H | July 1, 1870 | ..... | Auburn, N. Y. |
| Edward Brannick | C | July 5, 1870 | ..... | Auburn, N. Y. |
| Henry C. Cobb | F | Feb. 15, 1871 | ..... | Auburn, N. Y. |

Register of Military Force — (Continued).

FIFTIETH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| J. De Motte Smith | .... | Sept. 22, 1869 | ..... | Trumansburgh, N. Y. |
| Lieutenant-Colonel: | | | | |
| George H. Houtz | .... | Sept. 22, 1869 | ..... | Etna, N. Y. |
| Major: | | | | |
| Benjamin Jennings | .... | Sept. 22, 1869 | ..... | Danby, N. Y. |
| Adjutant: | | | | |
| Barnum R. Williams | .... | Dec. 29, 1866 | ..... | Ithaca, N. Y. |
| Quartermaster: | | | | |
| James H. Ticknor | .... | Aug. 1, 1870 | ..... | Ithaca, N. Y. |
| Com. of Subsistence: | | | | |
| Charles H. Fish | .... | April 22, 1871 | ..... | Trumansburgh, N. Y. |
| Surgeon: | | | | |
| Edward J. Morgan | .... | Feb. 11, 1871 | ..... | Ithaca, N. Y. |
| Assistant Surgeon: | | | | |
| S. W. Jones | .... | Aug. 1, 1870 | ..... | Groton, N. Y. |
| Chaplain: | | | | |
| Thomas C. Strong | .... | June 1, 1867 | ..... | Ithaca, N. Y. |
| Captains: | | | | |
| Silas S. Montgomery | H | Mar. 10, 1866 | ..... | Dryden, N. Y. |
| Escha Holcomb | B | Feb. 13, 1867 | ..... | Trumansburgh, N. Y. |
| Clement J. Minier | D | April 13, 1867 | ..... | South Lansing, N. Y. |
| John H. Theall | E | June 18, 1867 | ..... | Enfield Centre, N. Y. |
| Edward Lounsbury | G | Aug. 1, 1868 | ..... | Caroline, N. Y. |
| John T. Giles | I | Sept. 18, 1869 | ..... | Etna, N. Y. |
| Merritt King | C | Sept. 25, 1869 | ..... | Newfield, N. Y. |
| Elmer M. Latta | A | Oct. 14, 1869 | ..... | Ithaca, N. Y. |
| Edward S. Swartwout | F | Oct. 15, 1869 | ..... | Danby, N. Y. |
| Byron R. Carpenter | K | Aug. 15, 1870 | ..... | Groton, N. Y. |
| First Lieutenants: | | | | |
| William Wallenback | E | Nov. 11, 1864 | ..... | Enfield Centre, N. Y. |
| Joseph Mount | K | Nov. 11, 1864 | ..... | Odessa, N. Y. |
| Lyman E. Henderson | C | Mch. 24, 1866 | ..... | Alpine, N. Y. |
| George E. Monroe | I | Feb. 2, 1867 | ..... | Etna, N. Y. |
| Luther C. Simonds | H | May 4, 1867 | ..... | Dryden, N. Y. |
| Ramer V. Egbert | D | April 25, 1868 | ..... | South Lansing, N. Y. |
| David C. Krum | G | Aug. 1, 1868 | ..... | Caroline, N. Y. |
| Albert V. Prame | A | Oct. 14, 1869 | ..... | Ithaca, N. Y. |
| George F. Howland | F | Oct. 15, 1869 | ..... | Danby, N. Y. |
| J. Corey Fish | B | Aug. 13, 1870 | ..... | Trumansburgh, N. Y. |
| Second Lieutenants: | | | | |
| David A. Seabring | C | Nov. 11, 1864 | ..... | Newfield, N. Y. |
| Simeon Rolfe | E | Nov. 11, 1864 | ..... | Enfield Centre, N. Y. |
| Charles H. Ruff | F | Nov. 11, 1864 | ..... | Danby, N. Y. |
| Guy C. Teeter | D | Dec. 2, 1865 | ..... | South Lansing, N. Y. |
| Addison M. Scott | H | Mar. 10, 1866 | ..... | Dryden, N. Y. |
| James Boice | G | Aug. 1, 1868 | ..... | Caroline, N. Y. |
| Lawrence P. Kennedy | A | Oct. 14, 1869 | ..... | Ithaca, N. Y. |
| George E. Hanford | I | Aug. 6, 1870 | ..... | Etna, N. Y. |
| John G. Apgar | K | Aug. 10, 1870 | ..... | Groton, N. Y. |
| Frank S. Pearsall | B | Aug. 13, 1870 | ..... | Trumansburgh, N. Y. |

Register of Military Force—(Continued).

FIFTY-FIRST REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| James Randall | .... | Dec. 16, 1871 | ..... | Syracuse, N. Y. |
| Lieutenant-Colonel: | | | | |
| Henry C. Allewelt | ... | Dec. 16, 1871 | ..... | Syracuse, N. Y. |
| Major: | | | | |
| Herman Michels | .... | Dec. 16, 1871 | ..... | Syracuse, N. Y. |
| Adjutant: | | | | |
| Ami Marquisee | .... | May 1, 1871 | ..... | Syracuse, N. Y. |
| Quartermaster: | | | | |
| John G. Dunn | .... | Feb. 21, 1870 | ..... | Syracuse, N. Y. |
| Com. of Subsistence: | | | | |
| Lewis L. Thurwachter | .... | Feb. 21, 1870 | ..... | Syracuse, N. Y. |
| Surgeon: | | | | |
| Henry D. Didama | .... | July 18, 1862 | ..... | Syracuse, N. Y. |
| Assistant Surgeon: | | | | |
| J. Otis Burt | .... | July 22, 1868 | ..... | Syracuse, N. Y. |
| Chaplain: | | | | |
| Joseph M. Clark | .... | Oct. 24, 1861 | ..... | Syracuse, N. Y. |
| Captains: | | | | |
| William Vollmer | H | July 24, 1867 | ..... | Syracuse, N. Y. |
| Theodore M. Barber | A | Sept. 18, 1868 | ..... | Syracuse, N. Y. |
| Michael Foley | K | Dec. 3, 1868 | ..... | Syracuse, N. Y. |
| Frederick Miller | E | Mch. 30, 1869 | ..... | Syracuse, N. Y. |
| Jeremiah Leamy | C | Oct. 27, 1869 | ..... | Syracuse, N. Y. |
| Wm. H. Hamilton | I | May 20, 1870 | ..... | Syracuse, N. Y. |
| Thomas Ryan | F | July 12, 1870 | ..... | Syracuse, N. Y. |
| Herman Michaels | G | Dec. 30, 1870 | ..... | Syracuse, N. Y. |
| John A. Haberere | B | Mch. 2, 1871 | ..... | Syracuse, N. Y. |
| First Lieutenants: | | | | |
| Frederick Woise | F | June 24, 1867 | ..... | Syracuse, N. Y. |
| Frank A. Becher | H | July 24, 1867 | ..... | Syracuse, N. Y. |
| Jacob Winter | B | Dec. 7, 1868 | ..... | Syracuse, N. Y. |
| John Mourer | E | Mch. 30, 1869 | ..... | Syracuse, N. Y. |
| Meredith Moore | K | Aug. 26, 1869 | ..... | Syracuse, N. Y. |
| John Muldoon | C | Oct. 27, 1869 | ..... | Syracuse, N. Y. |
| Norman W. Smith | A | Nov. 15, 1869 | ..... | Syracuse, N. Y. |
| Alexander J. Vroman | I | July 8, 1870 | ..... | Syracuse, N. Y. |
| Peter Willworth | G | Oct. 20, 1870 | ..... | Syracuse, N. Y. |
| Second Lieutenants: | | | | |
| Charles Kasso | B | Dec. 7, 1868 | ..... | Syracuse, N. Y. |
| Patrick Kelley | K | Jan. 8, 1869 | ..... | Syracuse, N. Y. |
| Valentine Lindenmayer | E | Mar. 30, 1869 | ..... | Syracuse, N. Y. |
| Michael W. Dolphin | C | Oct. 27, 1869 | ..... | Syracuse, N. Y. |
| Joseph Van Slyke | A | Nov. 15, 1869 | ..... | Syracuse, N. Y. |
| Gretney Williams | I | Dec. 23, 1869 | ..... | Syracuse, N. Y. |
| George F. Miller | G | Oct. 20, 1870 | ..... | Liverpool, N. Y. |
| Abraham Goettel | F | Jan. 17, 1871 | ..... | Syracuse, N. Y. |
| Gottleibe Hirsh | H | May 17, 1871 | ..... | Syracuse, N. Y. |

Register of Military Force — (Continued).

FIFTY-FOURTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Lieutenant-Colonel: | | | | |
| Warner Westcott | .... | April 7, 1868 | ..... | Rochester, N. Y. |
| Major: | | | | |
| Frederick C. Schoen | .... | May 24, 1871 | ..... | Rochester, N. Y. |
| Adjutant: | | | | |
| George A. Begy | .... | Feb. 20, 1871 | ..... | Rochester, N. Y. |
| Surgeon: | | | | |
| Charles Buckley | .... | Aug. 29, 1870 | ..... | Rochester, N. Y. |
| Quartermaster: | | | | |
| Richard H. Warfield | .... | July 24, 1869 | ..... | Rochester, N. Y. |
| Assistant Surgeon: | | | | |
| Parson G. Udell | .... | May 15, 1871 | ..... | Rochester, N. Y. |
| Captains: | | | | |
| Henry B. Henderson | E | July 12, 1865 | ..... | Rochester, N. Y. |
| Frank A. Madden | C | April 27, 1869 | ..... | Rochester, N. Y |
| Robert Lavis | I | Oct. 12, 1869 | ..... | Rochester, N. Y. |
| John N. Weitzel | B | June 20, 1870 | ..... | Rochester, N. Y. |
| John Schwartz | D | June 29, 1870 | ..... | Rochester, N. Y. |
| Frederick C. Lauer, Jr. | G | Jan. 13, 1871 | ..... | Rochester, N. Y. |
| Christian Reinfieldt | A | Jan. 31, 1871 | ..... | Rochester, N. Y. |
| Everett C. Bradstreet | H | Sept. 20, 1871 | ..... | Rochester, N. Y. |
| Cornelius L. Dodds | F | Nov. 27, 1871 | ..... | Rochester, N. Y. |
| First Lieutenants: | | | | |
| John Bauer | A | April 17, 1868 | ..... | Rochester, Y. N. |
| Peter Klein | D | June 29, 1870 | ..... | Rochester, N. Y. |
| Peter Reinhardt | B | June 20, 1871 | ..... | Rochester, N. Y. |
| Samuel R. Campbell | C | Sept. 26, 1871 | ..... | Rochester, N. Y. |
| Adam F. Brash | G | Oct. 2, 1871 | ..... | Rochester, N. Y. |
| Second Lieutenants: | | | | |
| Jacob Shalber | I | Nov. 16, 1868 | ..... | Rochester, N. Y. |
| Valentine P. Schwartz | F | April 12, 1869 | ..... | Rochester, N. Y. |
| Edwin F. Babbage | E | Oct. 19, 1869 | ..... | Rochester, N. Y. |
| Timothy Callihan | K | July 11, 1870 | ..... | Rochester, N. Y. |
| Michael Wahl | D | Sept. 13, 1870 | ..... | Rochester, N. Y. |
| Michael Englert | A | April 25, 1871 | ..... | Rochester, N. Y. |
| Jacob Renner | B | Jan. 20, 1871 | ..... | Rochester, N. Y. |
| Frank Groh | H | Sept. 20, 1871 | ..... | Rochester, N. Y. |
| John C. King | C | Sept. 26, 1871 | ..... | Rochester, N. Y. |
| Michael J. Coakley | G | Oct. 2, 1871 | ..... | Rochester, N. Y. |

Register of Military Force — (Continued).

FIFTY-FIFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| William B. Allen | . . | Jan. 4, 1869 | | 218 East 48th street, New York city. |
| Lieutenant-Colonel: | | | | |
| Francis A. Schilling | | Dec. 14, 1870 | | 252 E. Houston street, N. Y. city. |
| Major: | | | | |
| Charles W. Fuller | | Dec. 14, 1870 | | 108 West 50th street, N. Y. city. |
| Adjutant: | | | | |
| John H. Pake | | Aug. 3, 1871 | | 23 Great Jones street, N. Y. city. |
| Quartermaster: | | | | |
| William H. Connolly | | Jan. 4, 1869 | | 7 East 53d street, New York city. |
| Commissary: | | | | |
| Jacob Tartler | | Jan. 4, 1869 | | 55 Franklin street, New York city. |
| Captains: | | | | |
| Sebastian Zuschlag | C | Sept. 19, 1866 | | 156 Ludlow street, New York city. |
| Soobodin Merinsky | B | Dec. 12, 1866 | | 319 Pearl street, New York city. |
| Henry J. Boehrer | F | Feb. 10, 1869 | | 519 Greenwich st., New York city. |
| Paul Waulter | H | May 11, 1869 | | 64 First avenue, New York city. |
| Henry Huck | D | Nov. 10, 1869 | | 89 East 3d street, New York city. |
| Edward Newmaster | G | Jan. 21, 1870 | | 237 East 27th street, New York city. |
| Jacob Aberle | I | April 4, 1870 | | 149 E. Houston street, N. Y. city. |
| First Lieutenants: | | | | |
| Peter Keh | H | June 17, 1869 | | 41 Avenue B, New York city. |
| Francis Wokal | B | June 28, 1869 | | 510 Sixth street, New York city. |
| Henry Schroeder | C | Dec. 13, 1870 | | 44 Thompson st., New York city. |
| Frederick Gebhard | F | Mar. 2, 1871 | | 412 Fifth street, New York city. |
| Gustave Alting | D | Sept. 12, 1871 | | 43 First avenue, New York city. |
| Second Lieutenants: | | | | |
| Joseph B. Poppor | B | Feb. 16, 1870 | | 528 Fifth street, New York city. |
| Anton Roll | I | Sept. 18, 1870 | | 85 Eldridge street, New York city. |
| Valentine Schreiner | C | Dec. 3, 1870 | | 176 Thompson st., New York city. |
| William Roll | E | Aug. 14, 1871 | | 3 Avenue B, New York city. |

Register of Military Force — (Continued).

SIXTY-FIFTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Richard Flach | .... | Nov. 20, 1865 | ..... | Buffalo, N. Y. |
| Lieutenant-Colonel: | | | | |
| M. Leo Ritt | .... | Nov. 20, 1865 | ..... | Buffalo, N. Y. |
| Major: | | | | |
| P. J. Ripont | .... | Sept. 30, 1870 | ..... | Buffalo, N. Y. |
| Adjutant: | | | | |
| Christopher Stock | .... | Nov. 21, 1871 | ..... | Buffalo, N. Y. |
| Quartermaster: | | | | |
| John Hausle | .... | Nov. 7, 1865 | ..... | Buffalo, N. Y. |
| Surgeon: | | | | |
| Conrad Diehl | .... | Oct. 5, 1870 | ..... | Buffalo, N. Y. |
| Chaplain: | | | | |
| Otto Burger | .... | Dec. 26, 1864 | ..... | Buffalo, N. Y. |
| Captains: | | | | |
| John Schmahl | D | June 9, 1865 | ..... | Buffalo, N. Y. |
| Albert Schoenwald | E | Dec. 4, 1865 | ..... | Buffalo, N. Y. |
| Frederick Frankle | I | June 11, 1866 | ..... | Buffalo, N. Y. |
| Frank Manerman | A | Oct. 15, 1867 | ..... | Buffalo, N. Y. |
| John Bingemann | G | Jan. 16, 1871 | ..... | Buffalo, N. Y. |
| S. Henry Runicie | C | Mch. 8, 1871 | ..... | Buffalo, N. Y. |
| Jacob Iyring | H | Mch. 24, 1871 | ..... | Buffalo, N. Y. |
| Samnel Bancroft | B | April 4, 1871 | ..... | Buffalo, N. Y. |
| First Lieutenants: | | | | |
| W. C. Zimmerman | I | Feb. 17, 1862 | ..... | Buffalo, N. Y. |
| Thomas Cannon | C | Oct. 5, 1868 | ..... | Buffalo, N. Y. |
| R. W. Voas | F | Dec. 4, 1868 | ..... | Buffalo, N. Y. |
| John Yax | B | Mch. 21, 1870 | ..... | Buffalo, N. Y. |
| Frederick Gangnagle | D | Aug. 23, 1870 | ..... | Buffalo, N. Y. |
| John Fox | H | Aug. 23, 1870 | ..... | Buffalo, N. Y. |
| Anthony Beilmann | A | Feb. 21, 1871 | ..... | Buffalo, N. Y. |
| Second Lieutenants: | | | | |
| B. Kaiser | G | May 27, 1868 | ..... | Buffalo, N. Y. |
| Henry D. Fisher | C | Mch. 7, 1870 | ..... | Buffalo, N. Y. |
| John W. Holmland | A | Feb. 21, 1871 | ..... | Buffalo, N. Y. |
| Albert H. Rings | H | Mch. 24, 1871 | ..... | Buffalo, N. Y. |
| Charles A. Rupp | E | Mch. 27, 1871 | ..... | Buffalo, N. Y. |
| George Schmahl | D | Aug. 23, 1871 | ..... | Buffalo, N. Y. |
| John C. Lowe | B | Nov. 21, 1871 | ..... | Buffalo, N. Y. |

Register of Military Force — (Continued).

SIXTY-NINTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| James Cavanagh | .... | Nov. 29, 1867 | .... | 646 Hick st., Brooklyn, N. Y. |
| Lieutenant-Colonel: | | | | |
| Thomas Dempsey | .... | June 29, 1871 | .... | 32 Chambers st., N. Y. city. |
| Quartermaster | | | | |
| John Stacom | .... | Jan. 27, 1871 | .... | 29 City Hall place, N. Y. city. |
| Chaplain: | | | | |
| Bernard Gallagher | .... | Jan. 2, 1869 | .... | 62 Sands st., Brooklyn, N. Y. |
| Captains: | | | | |
| Michael Brennan | A | May 10, 1865 | .... | 245 East 55th st., N. Y. city. |
| Dennis Brown | I | Dec. 18, 1866 | .... | 106 Washington st., N. Y. city. |
| John Kerr | K | Jan. 29, 1869 | .... | 443 East 116th st., N. Y. city. |
| William Cushing | F | Oct. 29, 1869 | .... | 160 East 50th st., N. Y. city. |
| Joseph Collins | C | Nov. 8, 1869 | .... | 4 First st., N. Y. city. |
| Daniel R. Lyddy | G | Aug. 23, 1870 | .... | 14 Wall st., N. Y. city. |
| Jerome J. Collins | B | Nov. 16, 1870 | .... | Whitney House, N. Y. city. |
| Timothy J. Flannery | E | Aug. 14, 1871 | .... | 64 Rapelyea st., Brooklyn, N. Y. |
| James Conlon | D | Aug. 29, 1871 | .... | 143 Ludlow st., N. Y. city. |
| First Lieutenants: | | | | |
| Peter Delaney | I | Feb. 26, 1867 | .... | 64 Bleecker st., N. Y. city. |
| Daniel Draddy | A | June 21, 1867 | .... | 103 West 37th st., N. Y. city. |
| Dennis Dowling | F | Oct. 29, 1869 | .... | New York city. |
| Nicholas Collins | G | Feb. 2, 1870 | .... | 648 Hick st., Brooklyn, N. Y. |
| John J. Moran | C | April 29, 1870 | .... | 99 East 4th st., N. Y. city. |
| Wm. G. McElroy | D | Jan. 24, 1871 | .... | 729 Ninth ave., N. Y. city. |
| Edward Duffy | E | Mar. 14, 1871 | .... | 281 Third ave., N. Y. city. |
| John Leddy | B | Nov. 16, 1871 | .... | 30 Bowery, N. Y. city. |
| Second Lieutenants: | | | | |
| James Reid | H | Jan. 27, 1869 | .... | 451 West 33d st., N. Y. city. |
| Mortimer Sullivan | I | Feb. 16, 1869 | .... | 417 Pearl st., N. Y. city. |
| Dennis Dempsey | E | Sep. 13, 1869 | .... | 42 Madison st., N. Y. city. |
| John J. Kelly | B | Oct. 22, 1869 | .... | 5 Catharine st., N. Y. city. |
| Dennis C. McCarthy | C | Mar. 18, 1870 | .... | 139 Avenue C, N. Y. city. |
| Michael Keegan | D | Aug. 29, 1871 | .... | 99 Eldridge st., N. Y. city. |
| John Morris | K | May 27, 1870 | .... | 420 East 30th st., N. Y. city. |
| Joseph Allen | G | Aug. 23, 1870 | .... | 75 Third ave., N. Y. city. |
| James Moran | F | May 3, 1870 | .... | 120 East Broadway, N. Y. city. |

Register of Military Force — (Continued).

Seventy-first Regiment of Infantry.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Harry Rockafeller | .... | Nov. 1, 1869 | ..... | 137 East 39th street, N. Y. city. |
| Major: | | | | |
| Eugene S. Eunson | .... | Nov. 1, 1869 | ..... | 149 West 33d street, New York city. |
| Adjutant: | | | | |
| George J. A. Norman | .... | Sept. 1, 1871 | ..... | 143 Eighth street, N. Y. city. |
| Quartermaster: | | | | |
| Thomas L. Raymond | .... | Jan. 9, 1867 | ..... | 47 Seventh avenue, N. Y. city. |
| Com. of Subsistence: | | | | |
| Dewitt C. Arnold | .... | Feb. 17, 1871 | ..... | New York city. |
| Surgeon: | | | | |
| E. H. Higginbotham | .... | Dec. 1, 1870 | ..... | 36 East 21st street, New York city. |
| Assistant Surgeon: | | | | |
| Lewis E. Baulch | .... | Jan. 3, 1871 | ..... | 51 East 20th street, New York city. |
| Chaplain: | | | | |
| Eastburn Benjamin | .... | Nov. 17, 1868 | ..... | 48 West 37th street, New York city. |
| Captains: | | | | |
| William H. Cox | K | Sept. 21, 1865 | ..... | 146 East 62d street, New York city. |
| Ernst A. Desmarets | A | Oct. 10, 1865 | ..... | Broad street, New York city. |
| Amos L. See | H | Nov. 20, 1865 | ..... | 107 Christopher street, N. Y. city. |
| Abram L. Webber | G | Aug. 19, 1866 | ..... | Sixth avenue, New York city. |
| James S. Turner | E | Dec. 9, 1869 | ..... | 125th st., bet. 3d & 4th avs., N. Y. city. |
| John H. Youmans | D | Feb. 15, 1870 | ..... | 383 Washington street, N. Y. city. |
| Chas. H. Leland | F | April 5, 1870 | ..... | 102 East 36th street, New York city. |
| Gerard Betts | I | Aug. 24, 1871 | ..... | 159 East 60th street, New York city. |
| William C. Don | C | Nov. 10, 1871 | ..... | 47 Union square, N. Y. city. |
| First Lieutenants: | | | | |
| Sanford A. Taylor | K | Nov. 23, 1868 | ..... | 182 Cortlandt street, N. Y. city. |
| Henry K. White | F | Nov. 29, 1869 | ..... | 41 Broadway, New York city. |
| Gilbert W. Knight | E | Feb. 24, 1870 | ..... | 146 West 16th street, N. Y. city. |
| Joseph B. Coe | D | Nov. 11, 1870 | ..... | 48 Chambers street, N. Y. city. |
| John R. Davenport | C | Feb. 3, 1871 | ..... | 173 Broadway, New York city. |
| Theodore V. Smith | I | July 6, 1871 | ..... | 158 William street, N. Y. city. |
| Second Lieutenants: | | | | |
| John C. Rue | K | Nov. 23, 1868 | ..... | 233 West 40th street, N. Y. city. |
| Stephen Curtis, Jr. | B | July 13, 1869 | ..... | 77 Horatio street, N. Y. city. |
| Charles E. Brown | E | Dec. 9, 1869 | ..... | 39 Avenue D, New York city. |
| Lewis R. Post | G | April 13, 1870 | ..... | 243 West 11th street, N. Y. city. |
| Emile Cardoze | A | May 22, 1871 | ..... | 32d street and Broadway, N. Y. city. |
| Samuel C. Smith | H | June 6, 1871 | ..... | Frankfort House, New York city. |
| Martin L. Vantine | C | July 7, 1871 | ..... | 42 King street, New York city. |
| James H. Toohig | D | Nov. 1, 1871 | ..... | New York city. |
| Charles F. Smillie | I | Nov. 2, 1871 | ..... | New York city. |

Register of Military Force—(Continued).

SEVENTY-FOURTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Charles J. Wing | .... | Feb. 20, 1871 | ..... | Buffalo, N. Y. |
| Lieutenant-Colonel: | | | | |
| Lewis M. Evans | .... | July 3, 1871 | ..... | Buffalo, N. Y. |
| Major: | | | | |
| William B. Sirrett | .... | July 3, 1871 | ..... | Buffalo, N. Y. |
| Adjutant: | | | | |
| George D. Emerson | .... | Feb. 6, 1869 | ..... | Buffalo, N. Y. |
| Quartermaster: | | | | |
| Hiram G. Knowlton | .... | July 3, 1871 | ..... | Buffalo, N. Y. |
| Surgeon: | | | | |
| William C. Phelps | .... | Feb. 20, 1871 | ..... | Buffalo, N. Y. |
| Assistant Surgeon: | | | | |
| Byron H. Daggett | .... | Feb. 20, 1871 | ..... | Buffalo, N. Y. |
| Chaplain: | | | | |
| G. W. Heacock | .... | April 24, 1861 | ..... | Buffalo, N. Y. |
| Captains: | | | | |
| Louis P. Reichert | G | Nov. 16, 1863 | ..... | Buffalo, N. Y. |
| John M. Kelly | B | Feb. 21, 1868 | ..... | Buffalo, N. Y. |
| Samuel M. Pooley | F | April 26, 1870 | ..... | Buffalo, N. Y. |
| George Morgan, Jr. | K | Dec. 13, 1870 | ..... | Buffalo, N. Y. |
| Louis Nagel | A | Feb. 20, 1871 | ..... | Buffalo, N. Y. |
| John O'Brian | I | July 15, 1871 | ..... | Buffalo, N. Y. |
| First Lieutenants: | | | | |
| Nicholas S. Reese | F | June 21, 1870 | ..... | Buffalo, N. Y. |
| William Wilhelm | G | Sept. 10, 1870 | ..... | Buffalo, N. Y. |
| Alfred Lyeth | K | Dec. 13, 1870 | ..... | Buffalo, N. Y. |
| William Willganz | A | April 24, 1871 | ..... | Buffalo. N. Y. |
| James A. Campbell | I | July 15, 1871 | ..... | Buffalo, N. Y. |
| Henry S. Mulligan | B | Oct. 11, 1871 | ..... | Buffalo, N. Y. |
| Second Lieutenants: | | | | |
| Frank R. Jenkins | F | Dec. 1, 1868 | ..... | Buffalo, N. Y. |
| Andrew Fuller | G | June 16, 1869 | ..... | Buffalo, N. Y. |
| John C. Dolan | B | Mar. 16, 1870 | ..... | Buffalo, N. Y. |
| Bernard Duggan | K | Dec. 13, 1870 | ..... | Buffalo, N. Y. |
| Frank W. Rodney | A | April 24, 1871 | ..... | Buffalo, N. Y. |

Register of Military Force—(Continued).

SEVENTY-NINTH BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John J. Shaw | .... | Feb. 18, 1869 | ..... | 103 Clinton place, N. Y. city. |
| Lieutenant-Colonel: | | | | |
| Charles A. Stetson, Jr. | .. | Nov. 11, 1869 | ..... | Astor House, N. Y. city. |
| Adjutant: | | | | |
| William Lindsay | .... | Sept. 1, 1870 | ..... | 641 Eighth ave., N. Y. city. |
| Quartermaster: | | | | |
| George Mitchell | .... | July 10, 1865 | ..... | 217 Varick street, N. Y. city. |
| Surgeon: | | | | |
| James Norval | .... | Oct. 10, 1871 | ..... | New York city. |
| Assistant Surgeon: | | | | |
| Robert Rogerson | .... | Oct. 10, 1871 | ..... | New York city. |
| Chaplain: | | | | |
| Stephen Merritt, Jr. | .... | April 1, 1868 | ..... | 149 Eighth ave., N. Y. city. |
| Captains: | | | | |
| Joseph Laing | G | May 18, 1861 | ..... | 117 Fulton street, N. Y. city. |
| William C. Clark | E | Nov. 14, 1865 | ..... | 311 West 21st street, N. Y. city. |
| George Rogers | A | April 13, 1868 | ..... | 10 Greenwich ave., N. Y. city. |
| Alonzo Dutch | C | April 20, 1868 | ..... | 246 West 42d street, N. Y. city. |
| Joseph Ross | D | June 17, 1869 | ..... | 187 West 39th street, N. Y. city. |
| Alexander Croall | F | Oct. 12, 1871 | ..... | 621 Third ave., N. Y. city. |
| William A. Devon | H | Oct. 13, 1871 | ..... | Staten Island, N. Y. |
| First Lieutenants: | | | | |
| William Mahon | D | Dec. 15, 1870 | ..... | 353 West 39th street, N. Y. city. |
| Joseph Conley | E | Aug. 10, 1871 | ..... | 528 West 45th street, N. Y. city. |
| Thomas Garrett | A | Oct. 9, 1871 | ..... | New York city. |
| William Manson | G | Oct. 18, 1871 | ..... | 102 Nassau street, N. Y. city. |
| Charles T. Pine | H | Oct. 13, 1871 | ..... | Staten Island, N. Y. |
| Second Lieutenants: | | | | |
| William R. Allin | D | Sept. 9, 1869 | ..... | 258 Pearl street, N. Y. city. |
| Allen S. McDonald | A | May 9, 1870 | ..... | New York city. |
| Thomas D. Hughes | F | Oct. 13, 1870 | ..... | 6 Furman street, Brooklyn. |
| Edward H. Dearin | C | Nov. 1, 1870 | ..... | 326 Ninth ave., N. Y. city. |
| William Pearson | E | Aug. 10, 1871 | ..... | 26 Munetta lane, N. Y. city |
| George W. Smith | H | Oct. 13, 1871 | ..... | Staten Island, N. Y. |
| Alexander L. Baird | G | Oct. 18, 1871 | ..... | 41 Rodman street, Brooklyn, N. Y. |

Register of Military Force — (Continued).

EIGHTY-THIRD REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Robert Furman | ... | Aug. 1, 1864 | ..... | Schenectady, N. Y. |
| Lieutenant-Colonel: | | | | |
| John C. Perry | .... | May 13, 1871 | ..... | Schenectady, N. Y. |
| Major: | | | | |
| George W. Marlett | .... | May 27, 1871 | ..... | Schenectady, N. Y. |
| Adjutant: | | | | |
| Michael H. Lamp | .... | Sept. 18, 1871 | ..... | Schenectady, N. Y. |
| Quartermaster: | | | | |
| Edward H. Vrooman | .... | June 14, 1867 | ..... | Schenectady, N. Y. |
| Surgeon: | | | | |
| James D. Jones | .... | July 4, 1866 | ..... | Schenectady, N. Y. |
| Com. of Subsistence: | | | | |
| Cornelius Gill | ... | Nov. 26, 1867 | ..... | Schenectady, N. Y. |
| Chaplain: | | | | |
| Dennis Wortman | .... | July 6, 1870 | ..... | Schenectady, N. Y. |
| Captains: | | | | |
| Jacob Garling | E | Sept. 7, 1863 | ..... | Schenectady, N. Y. |
| William Tygert | K | Oct. 25, 1864 | ..... | Schenectady, N. Y. |
| Schuyler T. Weller | G | June 23, 1866 | ..... | Glenville, N. Y. |
| John Walker | D | Oct. 24, 1867 | ..... | Mariaville, N. Y. |
| Lewis Brewer | I | Dec. 7, 1867 | ..... | Schenectady, N. Y. |
| Gilbert Branghan | F | May 7, 1870 | ..... | Schenectady, N. Y. |
| David Murch | B | July 16, 1870 | ..... | Schenectady, N. Y. |
| John Cassidy | C | Dec. 17, 1870 | ..... | Schenectady, N. Y. |
| Henry Lindsay | A | June 6, 1871 | ..... | Amsterdam, N. Y. |
| Leslie Fuller | H | July 31, 1871 | ..... | Burtonville, N. Y. |
| First Lieutenants: | | | | |
| Charles Wirtz | E | Mar. 2, 1864 | ..... | Schenectady, N. Y. |
| John Haggadorn | K | Nov. 10, 1864 | ..... | Schenectady, N. Y. |
| Kelly S. Tullock | D | Aug. 11, 1866 | ..... | Mariaville, N. Y. |
| Stephen S. Bradt | I | Aug. 15, 1868 | ..... | Schenectady, N. Y. |
| Worthy Niver | F | May 7, 1870 | ..... | Schenectady, N. Y. |
| Robert Juno | C | Dec. 17, 1870 | ..... | Schenectady, N. Y. |
| Leslie Morse | A | June 6, 1871 | ..... | Amsterdam, N. Y. |
| Zekiel Hillyer | H | July 31, 1871 | ..... | Burtonville, N. Y. |
| Theophilus Paige, Jr. | B | Nov. 25, 1871 | ..... | Schenectady, N. Y. |
| Second Lieutenants: | | | | |
| James A. Love | D | Nov. 12, 1864 | ..... | Mariaville, N. Y. |
| William H. Crippen | K | June 18, 1866 | ..... | Schenectady, N. Y. |
| S. M. P. Van Epps | G | July 23, 1866 | ..... | Glenville, N. Y. |
| John Van Husen | I | Aug. 15, 1868 | ..... | Schenectady, N. Y. |
| Oscar Shannon | C | Nov. 4, 1869 | ..... | Schenectady, N. Y. |
| William B. Greenhalgh | B | July 16, 1870 | ..... | Schenectady, N. Y. |
| George I. Ament | E | Aug. 20, 1870 | ..... | Schenectady, N. Y. |
| William H. Branghan | F | Mar. 18, 1871 | ..... | Schenectady, N. Y. |
| Henry Fonda | A | June 6, 1871 | ..... | Amsterdam, N. Y. |
| Henry Lohmyer | H | July 31, 1871 | ..... | Burtonville, N. Y. |

Register of Military Force—(Continued).

EIGHTY-FOURTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Frederick A. Conkling | .... | June 17, 1863 | ..... | 27 East 10th st., New York city. |
| Lieutenant-Colonel: | | | | |
| Cornelius B. Mitchell | .... | April 18, 1870 | ..... | 60 West 9th st., New York city. |
| Adjutant: | | | | |
| Lawrence Beattie | .... | Dec. 28, 1865 | ..... | 937 Broadway, New York city. |
| Quartermaster: | | | | |
| Charles Birch | .... | Aug. 12, 1870 | ..... | 249 West 10th st., New York city. |
| Surgeon: | | | | |
| F. L. R. Satterlee | .... | April 19, 1871 | ..... | 42 West 21st st., New York city. |
| Assistant Surgeon: | | | | |
| Clarence Satterlee | .... | April 19, 1871 | ..... | 108 East 20th st., New York city. |
| Chaplain: | | | | |
| William D. Walker | .... | April 19, 1871 | ..... | 119 East 23d st., New York city. |
| Captains: | | | | |
| Eli Taylor | F | June 27, 1863 | ..... | New York city. |
| James Douglass | K | Feb. 17, 1864 | ..... | New York city. |
| Joseph McKinley | I | Aug. 13, 1868 | ..... | New York city. |
| George E. Helme | E | Dec. 12, 1870 | ..... | New York city. |
| William H. O'Neil | C | Jan. 6, 1871 | ..... | New York city. |
| James Hunter | G | Feb. 7, 1871 | ..... | New York city. |
| James Kerr | F | Feb. 20, 1871 | ..... | New York city. |
| John Fullerton | B | Mar. 17, 1871 | ..... | New York city. |
| First Lieutenants: | | | | |
| James Gardiner | K | Feb. 17, 1864 | ..... | 47 Allen st., New York city. |
| George Adams | G | Dec. 14, 1869 | ..... | 82 Rivington st., New York city. |
| Jas. W. Quackenbush | E | Dec. 12, 1870 | ..... | 25 Grove st., New York city. |
| George Cartwright | C | Jan. 6, 1871 | ..... | Brooklyn, N. Y. |
| John Cornish | F | Feb. 20, 1871 | ..... | 338 East 40th st., New York city. |
| John Burrows | B | Mar. 17, 1871 | ..... | Brooklyn, N. Y. |
| William H. Head | I | Sept. 29, 1871 | ..... | 135 Charlton st., New York city. |
| Second Lieutenants: | | | | |
| Alfred J. Colling | H | Oct. 31, 1865 | ..... | 100 Broad st., New York city. |
| William Henderson | G | Feb. 7, 1871 | ..... | New York city. |
| James McCandless | B | Mar. 17, 1871 | ..... | 604 Tenth ave., New York city. |
| Charles Butterfield | F | May 11, 1871 | ..... | 32 Rutgers st., New York city. |
| Alexander Boyd | E | June 12, 1871 | ..... | 419 West 42d st., New York city. |
| Henry B. Douglass | I | Sept. 29, 1871 | ..... | 694 Broadway, New York city. |
| Ralph Archbold | K | Nov. 10, 1871 | ..... | 6th st. and Avenue C, N. Y. city. |

Register of Military Force — (Continued).

EIGHTY-SIXTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Lieutenant-Colonel: | | | | |
| Osmar C. Sage | .... | June 29, 1867 | ..... | Prattsville, N. Y. |
| Major: | | | | |
| James M. Van Valkenburgh | .... | June 29, 1867 | ..... | Lexington, N. Y. |
| Adjutant: | | | | |
| Cassius A. Mattoon | .... | Sept. 4, 1868 | ..... | Catskill, N. Y. |
| Quartermaster: | | | | |
| Jonas Person | .... | Aug. 24, 1867 | ..... | Catskill, N. Y. |
| Com. of Subsistence: | | | | |
| Addison G. Runyan | .... | Aug. 7, 1867 | ..... | Hensonville, N. Y. |
| Surgeon: | | | | |
| Francis B. Holcomb | .... | Aug. 26, 1867 | ..... | Hensonville, N. Y. |
| Captains: | | | | |
| Benjamin F. Barkley | G | Sept. 8, 1863 | ..... | Jewett, N. Y. |
| Benjamin H. Waldron | I | Sept. 9, 1863 | ..... | Cairo, N. Y. |
| James Stevens | H | Sept. 19, 1863 | ..... | Greenville, N. Y. |
| Wellington Peck | F | Oct. 3, 1863 | ..... | Oakhill, N. Y. |
| De Witt C. Harrison | E | June 16, 1864 | ..... | Big Hollow, N. Y. |
| William A. Pennoyer | B | June 20, 1864 | ..... | Catskill, N. Y. |
| Henry Chatfield | A | July 20, 1867 | ..... | Prattsville, N. Y. |
| A. Judson Briggs | D | July 27, 1867 | ..... | Lexington, N. Y. |
| Chas. A. Vedder | C | Aug. 24, 1867 | ..... | Leeds, N. Y. |
| First Lieutenants: | | | | |
| David E. Woodworth | G | Sept. 8, 1863 | ..... | East Jewett, N. Y. |
| George Lawrence | F | July 8, 1865 | ..... | Durham, N. Y. |
| William Kortz | B | Oct. 6, 1865 | ..... | Catskill, N. Y. |
| John Stead | I | Aug. 6, 1866 | ..... | Cairo, N. Y. |
| A. G. Holcomb | E | June 30, 1867 | ..... | Hensonville, N. Y. |
| Edwin L. Ford | D | July 27, 1867 | ..... | Lexington, N. Y. |
| Ogden H. Plank | C | Aug. 24, 1867 | ..... | Leeds, N. Y. |
| Second Lieutenants: | | | | |
| John H. Graham | C | Aug. 4, 1863 | ..... | Leeds, N. Y. |
| Horace N. Ford | G | Sept. 8, 1863 | ..... | East Jewett, N. Y. |
| Hiram Bogardus | H | Sept. 19, 1863 | ..... | Greenville, N. Y. |
| Frank Story | B | Dec. 8, 1865 | ..... | Catskill, N. Y. |
| Hiram Davis | E | June 30, 1867 | ..... | Hensonville, N. Y. |
| James Judson | A | July 20, 1867 | ..... | Prattsville, N. Y. |
| Christopher Riley | D | July 27, 1867 | ..... | Lexington, N. Y. |
| Elijah H. Utter | I | Aug. 29, 1868 | ..... | Cairo, N. Y. |

Register of Military Force—(Continued).

EIGHTY-SEVENTH BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Lieutenant-Colonel: | | | | |
| Samuel F. Garmon | .... | Sept. 1, 1866 | ..... | Lowville, N. Y. |
| Major: | | | | |
| George D. Brown | .... | Sept. 1, 1866 | ..... | Lowville, N. Y. |
| Adjutant: | | | | |
| M. Norton Stevens | .... | July 23, 1868 | ..... | Lowville, N. Y. |
| Quartermaster: | | | | |
| C. Jess Brown | .... | May 15, 1868 | ..... | Lowville, N. Y. |
| Com. of Subsistence: | | | | |
| Fred'k D. Howell | .... | May 11, 1867 | ..... | Lowville, N. Y. |
| Surgeon: | | | | |
| Charles D. Budd | .... | Sept. 10, 1863 | ..... | Turin, N. Y. |
| Assistant-Surgeon: | | | | |
| Alexander Gibbie | .... | Sept. 10, 1863 | ..... | Lowville, N. Y. |
| Chaplain: | | | | |
| Garrett L. Roof | ... | May 29, 1867 | ..... | Lowville, N, Y. |
| Captains: | | | | |
| H. M. Myers | H | Aug. 29, 1864 | ..... | Newton, N. Y. |
| Thaddeus S. Sawyer | C | July 11, 1865 | ..... | Port Leyden, N. Y. |
| William M. Edmans | K | Aug. 8, 1866 | ..... | Martinsburgh, N. Y. |
| Michael Kerly | A | Aug. 8, 1868 | ..... | Lowville, N. Y. |
| Geo. W. Bartlett | G | Aug. 15, 1868 | ..... | Copenhagen, N. Y. |
| First Lieutenants: | | | | |
| James Casey | G | May 17, 1864 | ..... | Barnes' Corners, N. Y. |
| James M. Ryall | H | June 23, 1866 | ..... | Newton, N. Y. |
| Milo M. Dunton | K | Aug. 8, 1866 | ..... | Martinsburgh, N. Y. |
| William B. Sylvester | C | Aug. 10, 1866 | ..... | Port Leyden, N. Y. |
| Ambrose F. Cole | E | Oct. 13, 1866 | ..... | Watson, N. Y. |
| A. C. Boshart | A | Aug. 8, 1868 | ..... | Lowville, N. Y. |
| Second Lieutenants: | | | | |
| Henry Nebergall | G | Jan. 1, 1864 | ..... | Barnes' Corners, N. Y. |
| George J. Dryden | H | Aug. 28, 1864 | ..... | Copenhagen, N. Y. |
| George A. Sheldon | K | Aug. 8, 1866 | ..... | Martinsburgh, N. Y. |
| George A. Graves | E | Oct. 13, 1866 | ..... | Greig, N. Y. |
| A. H. Bechford | A | Aug. 8, 1868 | ..... | Lowville, N. Y. |
| Wm. M. Snyder | C | Sept. 5, 1868 | ..... | Port Leyden, N. Y. |

Register of Military Force — (Continued).

NINETY-FIRST BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John D. Wood | .... | Jan. 30, 1866 | ..... | Middletown, N. Y. |
| Lieutenant-Colonel: | | | | |
| Morris J. McConnell | .... | Aug. 17, 1863 | ..... | Middletown, N. Y. |
| Major: | | | | |
| Daniel Thompson | .... | Aug. 17, 1863 | ..... | Searsville, N. Y. |
| Adjutant: | | | | |
| John S. Gale | .... | July 1, 1869 | ..... | Goshen, N. Y. |
| Quartermaster: | | | | |
| Cornelius J. Sloat | .... | May 20, 1866 | ..... | Middletown, N. Y. |
| Surgeon: | | | | |
| George H. Fassard | .... | May 20, 1866 | ..... | Port Jervis, N. Y. |
| Chaplain: | | | | |
| J. Howard Wallace | .... | Dec. 17, 1864 | ..... | Newburgh, N. Y. |
| Captains: | | | | |
| M. Lewis Clark | A | Sept. 19, 1863 | ..... | Middletown, N. Y. |
| Michael Maloney | E | Dec. 3, 1863 | ..... | Middletown, N. Y. |
| Morris H. Demorest | H | Sept. 19, 1864 | ..... | Warwick, N. Y. |
| B. F. Clark | C | July 1, 1866 | ..... | Slate Hill, N. Y. |
| Geo. W. Millspaugh | I | Sept. 8, 1866 | ..... | Goshen, N. Y. |
| Isaac Tibbett | G | Feb. 1, 1868 | ..... | Port Jervis, N. Y. |
| First Lieutenants: | | | | |
| Mortimer L. Mapes | H | Sept. 19, 1863 | ..... | Florida, N. Y. |
| Michael Donovan | E | Aug. 21, 1864 | ..... | Middletown, N. Y. |
| Milo Segears | I | Sept. 8, 1866 | ..... | Goshen, N. Y. |
| Charles Westervell | G | Feb. 1, 1868 | ..... | Port Jervis, N. Y. |
| John K. Austin | C | Oct. 1, 1868 | ..... | Slate Hill, N. Y. |
| John Lemon | A | Oct. 1, 1871 | ..... | Middletown, N. Y. |
| Second Lieutenants: | | | | |
| Charles Cromwell | A | Sept. 19, 1863 | ..... | Middletown, N. Y. |
| Nathan Firman | H | Sept. 19, 1863 | ..... | Florida, N. Y. |
| Robert Sawyer | I | Sept. 8, 1866 | ..... | Goshen, N. Y. |
| James Brook | G | Sept. 1, 1868 | ..... | Port Jervis, N. Y. |
| Chas. E. Stickney | C | Oct. 1, 1868 | ..... | Port Jervis, N. Y. |

Register of Military Force — (Continued).

NINETY-SIXTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| John D. Krehbiel | .... | Aug. 27, 1863 | ..... | Ward's Island, New York. |
| Lieutenant-Colonel: | | | | |
| Andrew Stauf | .... | Oct. 15, 1869 | ..... | 122 Delancy street, New York city. |
| Major: | | | | |
| Peter Hammer | .... | Dec. 30, 1869 | ..... | 357 Bleecker st., New York city. |
| Com. of Subsistence: | | | | |
| Frederick Berghard | .... | Dec. 30, 1869 | ..... | New York city. |
| Assistant Surgeon: | | | | |
| F. R. Knocke | .... | Dec. 30, 1869 | ..... | 427 Sixth avenue, New York city. |
| Chaplain: | | | | |
| H. D. Wrage | .... | Dec. 30, 1869 | ..... | 446 West 14th st., New York city. |
| Captains: | | | | |
| Conrad Geib | E | Feb. 12, 1868 | ..... | 50 Orchard street, New York city. |
| Charles Moehring | D | Mch. 12, 1869 | ..... | 182 Eldridge st., New York city. |
| Francis Kohlberger | H | Sept. 27, 1869 | ..... | 132 Essex street, New York city. |
| Henry Reuting | C | Feb. 9, 1870 | ..... | 71 Avenue C, New York city. |
| George Schuchardt | I | Feb. 21, 1870 | ..... | 9 Second avenue, New York city. |
| George F. Williams | K | June 23, 1871 | ..... | 82 Bowery, New York city. |
| William Buchman | A | Sept. 29, 1871 | ..... | 250 Bowery, New York city. |
| First Lieutenants: | | | | |
| Philip H. Reinecke | H | Jan. 3, 1868 | ..... | 132 Essex street, New York city. |
| Charles Pfueller | B | Jan. 28, 1868 | ..... | 58 Columbia st., New York city. |
| George Williams | D | June 4, 1869 | ..... | 98 Canal street, New York city. |
| Claus Fink | K | Jan. 28, 1870 | ..... | 183 Laurens st., New York city. |
| Leo C. Dessar | A | Aug. 22, 1870 | ..... | 37 Nassau street, New York city. |
| Frank H. Rodenberg | F | Dec. 23, 1870 | ..... | 15 Centre street, New York city. |
| Conrad Schullian | I | Mar. 31, 1871 | ..... | 9 Second avenue, New York city. |
| Second Lieutenants: | | | | |
| William Merten | B | Jan. 5, 1868 | ..... | 118 Goerch street, New York city. |
| Gottfried Reichart | D | Nov. 19, 1869 | ..... | 98 Canal street, New York city. |
| Charles B. Fuchs | E | Mar. 7, 1870 | ..... | 615 East 9th street, New York city. |
| Max Frohwein | H | June 9, 1870 | ..... | 76 Columbia st., New York city. |
| Frederick Eckerman | C | July 1, 1870 | ..... | 5 Sixth avenue, New York city. |
| Max Wolfensberger | I | May 1, 1871 | ..... | 8 Bayard street, New York city. |
| Nic Burkhardt | F | Sept. 29, 1871 | ..... | 135 Elizabeth st., New York city. |

Register of Military Force — (Continued).

ONE HUNDRED AND THIRD REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Edwin J. Loomis | .... | Dec. 9, 1871 | ..... | Norwich, N. Y. |
| Lieutenant-Colonel: | | | | |
| Jedediah K. Wheeler | .... | July 18, 1868 | ..... | Norwich, N. Y. |
| Major: | | | | |
| Noyes W. Stoddard | .... | June 18, 1868 | ..... | Otselic, N. Y. |
| Adjutant: | | | | |
| William R. Guile | ... | July 1, 1871 | ..... | Norwich, N. Y. |
| Quartermaster: | | | | |
| Paul Westcott | .... | Oct. 20, 1870 | ..... | Norwich, N. Y. |
| Com. of Subsistence: | | | | |
| Henry H. Harrington | .... | May 22, 1867 | ..... | New Berlin, N. Y. |
| Surgeon: | | | | |
| Fort Van Keuren | ... | May 5, 1871 | ..... | Sherburne, N. Y. |
| Captains: | | | | |
| Chas. H. Stanton | F | Sept. 22, 1864 | ..... | Smyrna, N. Y. |
| Alfred Chase | I | Oct. 1, 1864 | ..... | North Norwich, N. Y. |
| Dennis Blackman | G | Mar. 25, 1865 | ..... | Columbus, N. Y. |
| J. Augustus Goodrich | A | Sept. 11, 1865 | ..... | S. New Berlin, N. Y. |
| Cyrus Blackman | B | Sept. 15, 1865 | ..... | Plymouth, N. Y. |
| Elbert Widger | H | July 6, 1867 | ..... | South Otselic, N. Y. |
| Edgar C. Bryan | K | June 1, 1868 | ..... | Sherburne, N. Y. |
| Silas E. Kinney | D | June 27, 1868 | ..... | Otselic, N. Y. |
| Jerome F. Wheeler | C | June 24, 1870 | ..... | Linklaen, N. Y. |
| Richard Scholes | E | Dec. 5, 1870 | ..... | Norwich, N. Y. |
| First Lieutenants: | | | | |
| Earl B. Carpenter | I | Oct. 1, 1864 | ..... | North Norwich, N. Y. |
| Chas. E. Rogers | K | Oct. 10, 1864 | ..... | Sherburne, N. Y. |
| John M. Elbridge | H | Oct. 17, 1864 | ..... | New Berlin, N. Y. |
| Gates E. Pope | G | May 17, 1865 | ..... | Columbus, N. Y. |
| Chas. F. Hall | B | Sept. 28, 1865 | ..... | Plymouth, N. Y. |
| Chas. A. Sergeant | A | Mar. 24, 1866 | ..... | South New Berlin, N. Y. |
| Henry Bailey | F | June 7, 1866 | ..... | Smyrna, N. Y. |
| Chauncey Duncan | D | May 8, 1869 | ..... | Otselic, N. Y. |
| Daniel M. Webster | C | June 24, 1870 | ..... | Linklaen, N. Y. |
| Second Lieutenants: | | | | |
| Albert Case, Jr | I | Oct. 1, 1864 | ..... | North Norwich, N. Y. |
| Robert A. Holcomb | E | April 22, 1865 | ..... | Norwich, N. Y. |
| Albert J. Baldwin | C | Aug. 28, 1865 | ..... | Linklaen, N. Y. |
| Squire Tinker | B | Sept. 15, 1865 | ..... | Plymouth, N. Y. |
| Samuel Hall | A | Mar. 24, 1866 | ..... | South New Berlin, N. Y. |
| Orin D. Larcher | G | May 14, 1866 | ..... | Columbus, N. Y. |
| Chas. H. Beasley | H | July 6, 1867 | ..... | Pitcher, N. Y. |
| Chas. N. Hinkley | K | June 1, 1868 | ..... | Sherburne, N. Y. |
| Henry L. Sherman | D | May 8, 1869 | ..... | Otselic, N. Y. |

Register of Military Force — (Continued).

ONE HUNDRED AND SIXTH REGIMENT OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| Henry Baldwin | .... | Dec. 21, 1868 | ..... | Addison, N. Y. |
| Lieutenant-Colonel: | | | | |
| Archie E. Baxter | .... | Dec. 21, 1868 | ..... | Corning, N. Y. |
| Major: | | | | |
| Charles Cass | ... | Dec. 21, 1868 | ..... | Campbell, N. Y. |
| Adjutant: | | | | |
| Chas. W. Gillett | .... | Jan. 1, 1869 | ..... | Addison, N. Y. |
| Quartermaster: | | | | |
| Freeman S. Pritchard | .... | Nov. 17, 1862 | ..... | Corning, N. Y. |
| Com. of Subsistence: | | | | |
| John Toles | .... | April 4, 1867 | ..... | Cameron Mills, N. Y. |
| Surgeon: | | | | |
| Augustus T. Mills | .... | June 15, 1867 | ..... | Corning, N. Y. |
| Assistant Surgeon: | | | | |
| Byron Pierce | ... | Sept. 13, 1867 | ..... | Cooper's Plains, N. Y. |
| Chaplain: | | | | |
| J. D. Barnes | .... | Dec. 7, 1864 | ..... | Painted Post, N. Y. |
| Captains: | | | | |
| Addison Wormbaugh | A | Jan. 9, 1863 | ..... | Addison, N. Y. |
| Darius L. Willman | H | Aug. 24, 1865 | ..... | Hornby, N. Y. |
| Samuel E. Wolcott | I | Sept. 18, 1865 | ..... | Caton, N. Y. |
| James Carpenter, Jr. | K | Oct. 1, 1865 | ..... | Woodhull, N. Y. |
| Chas. A. Freeman | C | July 24, 1866 | ..... | Corning, N. Y. |
| William A. Spencer | B | July 25, 1868 | ..... | Gibson, N. Y. |
| George N. Clute | G | Oct. 3, 1868 | ..... | Painted Post, N. Y. |
| Melvin Alderman | E | April 3, 1869 | ..... | Merchantville, N. Y. |
| First Lieutenants: | | | | |
| Elisha B. Murray | A | Jan. 9, 1863 | ..... | Addison, N. Y. |
| Edwin F. Smith | K | Oct. 1, 1865 | ..... | Woodhull, N. Y. |
| John B. Rathbone | I | Oct. 12, 1865 | ..... | Corning, N. Y. |
| John H. Clawson | E | Sept. 8, 1866 | ..... | Campbell, N. Y. |
| Lyman G. Ferrenbaugh | H | Sept. 27, 1866 | ..... | Hornby, N. Y. |
| H. L. Badger | G | June 5, 1867 | ..... | Painted Post, N. Y. |
| William Crawford | D | June 15, 1867 | ..... | Cameron, N. Y. |
| Isaac P. Clark | C | June 16, 1868 | ..... | Corning, N. Y. |
| Richard S. Dox | B | July 25, 1868 | ..... | Gibson, N. Y. |
| Second Lieutenants: | | | | |
| Fred'k J. Cooper | G | Aug. 24, 1865 | ..... | Cooper's Plains, N. Y. |
| J. J. Buchanan | K | Nov. 20, 1866 | ..... | Woodhull, N. Y. |
| Augustus J. Hathaway | H | Sept. 20, 1867 | ..... | Hornby, N. Y. |
| Alman Hinds | D | Sept. 21, 1867 | ..... | Cameron, N. Y. |
| Duncan H. Baxter | C | June 16, 1868 | ..... | Corning, N. Y. |
| Edward Jones | B | July 25, 1868 | ..... | Gibson, N. Y. |
| John A. Davis | I | Dec. 24, 1868 | ..... | Caton, N. Y. |
| Jerry Eddy | E | April 3, 1869 | ..... | Merchantville, N. Y. |

Register of Military Force—(Continued).

ONE HUNDRED AND TENTH BATTALION OF INFANTRY.

| NAME. | Company. | Date of rank. | Brevet rank. | Residence. |
|---|---|---|---|---|
| Colonel: | | | | |
| William M. Gregg | .... | Mar. 14, 1867 | ..... | Elmira, N. Y. |
| Lieutenant-Colonel: | | | | |
| Gabriel L. Smith | .... | July 9, 1867 | ..... | Elmira, N. Y. |
| Major: | | | | |
| Luther Caldwell | .... | July 9, 1867 | ..... | Elmira, N. Y. |
| Adjutant: | | | | |
| Royal R. Soper | .... | May 16, 1867 | ..... | Elmira, N. Y. |
| Quartermaster: | | | | |
| Edwin W. Howell | .... | May 16, 1867 | ..... | Elmira, N. Y. |
| Com. of Subsistence: | | | | |
| Frank M. Blossom | .... | Aug. 23, 1867 | ..... | Elmira, N. Y. |
| Surgeon: | | | | |
| John M. Flood | .... | July 27, 1867 | ..... | Elmira, N. Y. |
| Chaplain: | | | | |
| Thomas K. Beecher | .... | July 27, 1867 | ..... | Elmira, N. Y. |
| Captains: | | | | |
| William E. Straight | A | April 23, 1867 | ..... | Elmira, N. Y. |
| Samuel H. Leavitt | B | April 23, 1867 | ..... | Elmira, N. Y. |
| John Lainlaw | C | April 23, 1867 | ..... | Elmira, N. Y. |
| William O. Smalley | D | May 4, 1867 | ..... | Elmira, N. Y. |
| Judd Griswold | F | May 4, 1867 | ..... | Elmira, N. Y. |
| Paul Colson | G | June 5, 1867 | ..... | North Chemung, N. Y. |
| Hugh McCabe | E | July 27, 1867 | ..... | Elmira, N. Y. |
| James McMillan | H | July 27, 1867 | ..... | North Chemung, N. Y. |
| First Lieutenants: | | | | |
| John Nichols | H | Dec. 5, 1864 | ..... | North Chemung, N. Y. |
| Frank Frost | B | April 23, 1867 | ..... | Elmira, N. Y. |
| George W. Cook | D | May 4, 1867 | ..... | Elmira, N. Y. |
| Judd Smith | F | May 4, 1867 | ..... | Elmira, N. Y. |
| Louis A. Hazzard | A | July 20, 1867 | ..... | Elmira, N. Y. |
| Joseph Reincrist | C | July 20, 1867 | ..... | Elmira, N. Y. |
| William H. Stull | E | July 27, 1867 | ..... | Elmira, N. Y. |
| Miles Engles | G | July 27, 1867 | ..... | North Chemung, N. Y. |
| Second Lieutenants: | | | | |
| Robert B. Murray | A | April 23, 1867 | ..... | Elmira, N. Y. |
| George W. Humphrey | B | April 23, 1867 | ..... | Elmira, N. Y. |
| John Hathorn | D | May 4, 1867 | ..... | Elmira, N. Y. |
| Marvin Beckwith | F | May 4, 1867 | ..... | Elmira, N. Y. |
| Zebulon A. Carter | C | July 20, 1867 | ..... | Elmira, N. Y. |
| Monroe Little | G | July 27, 1867 | ..... | North Chemung, N. Y. |
| Maxworth G. Shappee | H | July 29, 1867 | ..... | North Chemung, N. Y. |

(E.)

# ABSTRACT

OF

## MUSTER AND INSPECTION ROLLS FOR THE YEAR 1871, BY REGIMENTS, BRIGADES AND DIVISIONS.

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 1st Regiment. | | | | | |
| Field and staff | 7 | ... | .. | .. | 7 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 3 | 13 | 2 | 32 | 50 |
| do B. | 3 | 6 | 2 | 26 | 37 |
| do C | 2 | 12 | 2 | 29 | 45 |
| do D | 3 | 6 | 2 | 18 | 29 |
| do E | 3 | 6 | 2 | 24 | 35 |
| do F | 3 | 10 | 2 | 30 | 45 |
| do G | 3 | 14 | 2 | 24 | 43 |
| do H | 3 | 14 | 2 | 42 | 61 |
| do I | .... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | 25 | .. | 25 |
| Total | 30 | 86 | 41 | 225 | 382 |
| 3d Regiment. | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 14 | .. | .. | 14 |
| Company A | 3 | 9 | 2 | 53 | 67 |
| do B | 3 | 14 | 2 | 32 | 51 |
| do C | 3 | 9 | 3 | 43 | 58 |
| do D | 3 | 13 | 2 | 42 | 60 |
| do E | 3 | 14 | 3 | 37 | 57 |
| do F | 3 | 11 | 3 | 42 | 59 |
| do G | 3 | 9 | 2 | 33 | 47 |
| do H | 3 | 8 | 4 | 52 | 67 |
| do I | 3 | 9 | 3 | 43 | 58 |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 36 | 110 | 24 | 377 | 547 |
| 5th Regiment. | | | | | |
| Field and staff | 7 | .... | .. | .. | 7 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 13 | 3 | 47 | 67 |
| do B | 3 | 14 | 3 | 51 | 71 |
| do C | 3 | 12 | 3 | 41 | 59 |
| do D | 3 | 14 | 3 | 38 | 58 |
| do E | 3 | 11 | 3 | 32 | 49 |
| do F | 3 | 15 | 3 | 43 | 64 |
| do G | .... | .... | .. | .. | .. |
| do H | 3 | 14 | 3 | 56 | 76 |
| do I | 2 | 10 | 3 | 35 | 50 |
| do K | 3 | 13 | 3 | 32 | 51 |
| Regimental band | .... | .... | 24 | .. | 24 |
| Total | 33 | 123 | 51 | 375 | 583 |
| 6th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | ... | 5 | .. | .. | 5 |
| Company A | 3 | 13 | 3 | 65 | 84 |
| do B | 3 | 10 | 3 | 55 | 71 |
| do C. | 1 | 7 | 3 | 26 | 37 |
| do D | 3 | 14 | 3 | 61 | 81 |
| do E | 2 | 9 | 3 | 38 | 52 |
| do F | 3 | 12 | 2 | 39 | 56 |
| do G | .... | ... | .. | .. | .. |
| do H | 3 | 14 | 3 | 67 | 87 |
| do I | 2 | 12 | 3 | 53 | 70 |
| do K | 1 | 11 | 2 | 27 | 41 |
| Regimental band | .... | .... | 32 | .. | 32 |
| Total. | 29 | 107 | 57 | 431 | 624 |
| 7th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 13 | 3 | 56 | 75 |
| do B | 3 | 13 | 2 | 91 | 110 |
| do C | 3 | 8 | 3 | 43 | 57 |
| do D | 3 | 13 | 3 | 63 | 82 |
| do E | 3 | 13 | 3 | 53 | 72 |
| do F | 3 | 11 | 3 | 59 | 76 |
| do G | 3 | 13 | 3 | 87 | 106 |
| do H | 3 | 13 | 3 | 100 | 119 |
| do I | 3 | 13 | 3 | 58 | 77 |
| do K | 3 | 13 | 3 | 47 | 66 |
| Regimental band | .... | .... | 49 | .. | 49 |
| Total | 38 | 130 | 78 | 657 | 906 |
| 8th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 7 | . | .. | 7 |
| Company A | 3 | 13 | 2 | 26 | 44 |
| do B | 3 | 10 | 2 | 41 | 56 |
| do C | 2 | 9 | 2 | 37 | 50 |
| do D | 2 | 9 | 2 | 34 | 47 |
| do E | 2 | 10 | 2 | 25 | 39 |
| do F | 3 | 9 | 2 | 33 | 47 |
| do G | 3 | 10 | 2 | 23 | 38 |
| do H | 3 | 7 | 4 | 26 | 40 |
| do I | 2 | 8 | 2 | 22 | 34 |
| do K | 2 | 9 | 2 | 32 | 45 |
| Regimental band | .... | .... | 34 | .. | 34 |
| Total | 33 | 101 | 56 | 299 | 529 |

Abstract of Muster and Inspection Rolls—(Continued).

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| **9TH REGIMENT.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 2 | 14 | 3 | 45 | 64 |
| do B | 2 | 11 | .. | 50 | 63 |
| do C | 3 | 10 | 3 | 60 | 76 |
| do D | 3 | 14 | 3 | 55 | 75 |
| do E | 3 | 12 | 3 | 50 | 68 |
| do F | 2 | 13 | 3 | 49 | 67 |
| do G | 2 | 12 | 3 | 37 | 54 |
| do H | 3 | 10 | 3 | 40 | 56 |
| do I | 3 | 11 | 3 | 36 | 53 |
| do K | 3 | 12 | 3 | 75 | 93 |
| Regimental band | ... | .... | 100 | .. | 100 |
| Total | 35 | 126 | 127 | 497 | 785 |
| **10TH REGIMENT.** | | | | | |
| Field and staff | 6 | .... | .. | .. | 6 |
| Non-com'd staff | .... | 1 | .. | .. | 1 |
| Company A | 3 | 14 | .. | 51 | 68 |
| do B | 3 | 14 | .. | 44 | 61 |
| do C | 3 | 8 | 1 | 27 | 39 |
| do D | 3 | 14 | 1 | 54 | 72 |
| do E | 1 | 14 | .. | 42 | 57 |
| do F | 3 | 14 | .. | 38 | 55 |
| do G | 3 | 12 | .. | 36 | 51 |
| do H | 3 | 14 | .. | 31 | 48 |
| do I | 3 | 11 | .. | 36 | 50 |
| do K | 3 | 14 | .. | 33 | 50 |
| Regimental Band | .... | ... | .. | .. | .. |
| Total | 34 | 130 | 2 | 392 | 558 |
| **11TH REGIMENT.** | | | | | |
| Field and staff | 7 | .... | .. | .. | 7 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 2 | 10 | 2 | 42 | 56 |
| do B | 3 | 10 | 4 | 47 | 64 |
| do C | 3 | 9 | 2 | 30 | 44 |
| do D | 3 | 9 | 3 | 46 | 61 |
| do E | 3 | 10 | 2 | 37 | 52 |
| do F | 3 | 10 | 3 | 31 | 47 |
| do G | 3 | 10 | 1 | 32 | 46 |
| do H | 3 | 10 | 4 | 44 | 61 |
| do I | 3 | 9 | 1 | 46 | 59 |
| do K | 3 | 10 | 2 | 32 | 47 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 36 | 104 | 24 | 387 | 551 |
| **12TH REGIMENT.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 6 | .. | .. | 6 |
| Company A | 2 | 4 | 2 | 29 | 37 |
| do B | 3 | 9 | 2 | 48 | 62 |
| do C | 1 | 9 | 1 | 25 | 36 |
| do D | 3 | 9 | 1 | 30 | 43 |
| do E | 2 | 8 | 2 | 47 | 59 |
| do F | 2 | 10 | 2 | 23 | 37 |
| do G | 3 | 9 | 2 | 26 | 40 |
| do H | 2 | 7 | 2 | 28 | 39 |
| do I | 2 | 10 | 2 | 27 | 41 |
| do K | 2 | 10 | 2 | 44 | 58 |
| Regimental band | ... | ... | 24 | .. | 24 |
| Total | 31 | 91 | 42 | 327 | 491 |
| **13TH REGIMENT.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 8 | .. | .. | 8 |
| Company A | 3 | 9 | 1 | 26 | 39 |
| do B | 3 | 8 | 2 | 26 | 39 |
| do C | 2 | 8 | 2 | 30 | 42 |
| do D | 3 | 8 | 2 | 27 | 40 |
| do E | 3 | 13 | 3 | 34 | 53 |
| do F | 2 | 5 | 2 | 33 | 42 |
| do G | 2 | 7 | 3 | 42 | 54 |
| do H | 3 | 5 | 2 | 38 | 48 |
| do I | 3 | 14 | 2 | 54 | 73 |
| do K | .... | 4 | 2 | 19 | 25 |
| Regimental band | .... | .... | 30 | .. | 30 |
| Total | 33 | 89 | 51 | 329 | 502 |
| **14TH REGIMENT.** | | | | | |
| Field and Staff | 5 | .... | .. | .. | 5 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 2 | 9 | 1 | 38 | 50 |
| do B | 3 | 7 | 1 | 22 | 33 |
| do C | 3 | 8 | 1 | 30 | 42 |
| do D | 2 | 8 | 2 | 16 | 28 |
| do E | ... | ... | .. | .. | .. |
| do F | 2 | 6 | 1 | 19 | 28 |
| do G | 3 | 14 | 1 | 36 | 54 |
| do H | 2 | 7 | 2 | 31 | 42 |
| do I | 2 | 8 | 1 | 20 | 31 |
| do K | 3 | 8 | .. | 27 | 38 |
| Regimental Band | .... | .... | 25 | .. | 25 |
| Total | 27 | 80 | 35 | 239 | 381 |
| **19TH BATTALION.** | | | | | |
| Field and staff | 7 | .... | .. | .. | 7 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 8 | .. | 45 | 56 |
| do B | .... | .... | .. | .. | .. |
| do C | 1 | 9 | .. | 44 | 54 |
| do D | 3 | 11 | 2 | 34 | 50 |
| do E | 3 | 9 | 3 | 47 | 62 |
| do F | 3 | 13 | 1 | 61 | 78 |
| do G | .... | .... | .. | .. | .. |
| do H | .... | .... | .. | .. | .. |
| do I | 3 | 9 | 1 | 24 | 37 |
| do K | .... | .... | .. | .. | .. |
| Regimental Band | .... | .... | .. | .. | .. |
| Total | 23 | 66 | 7 | 255 | 351 |
| **20TH REGIMENT.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 2 | 12 | .. | 55 | 70 |
| do B | 2 | 8 | 6 | 33 | 49 |
| do C | 3 | 6 | 2 | 43 | 54 |
| do D | .... | .... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | 3 | 10 | .. | 74 | 87 |
| do G | .... | .... | .. | .. | .. |
| do H | 3 | 9 | .. | 44 | 56 |
| do I | .... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 21 | 51 | 8 | 249 | 329 |

Abstract of Muster and Inspection Rolls—(Continued).

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| **21st Regiment.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 8 | .. | .. | 8 |
| Company A | 3 | 9 | 1 | 32 | 45 |
| do B | 3 | 5 | 3 | 35 | 46 |
| do C | 2 | 7 | 3 | 16 | 28 |
| do D | 3 | 11 | 2 | 57 | 73 |
| do E | 3 | 11 | .. | 35 | 49 |
| do F | 3 | 9 | .. | 33 | 45 |
| do G | 2 | 8 | 1 | 33 | 44 |
| do H | 3 | 13 | 2 | 44 | 62 |
| do I | 3 | 9 | 2 | 33 | 47 |
| do K | 3 | 10 | 2 | 34 | 49 |
| Regimental band | .... | .... | 49 | .. | 49 |
| Total | 37 | 100 | 65 | 352 | 554 |
| **22d Regiment.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 3 | 9 | 2 | 55 | 69 |
| do B | 3 | 8 | 2 | 66 | 79 |
| do C | 3 | 8 | 2 | 40 | 53 |
| do D | 3 | 10 | 2 | 43 | 68 |
| do E | 2 | 12 | 2 | 35 | 51 |
| do F | 2 | 8 | 1 | 49 | 60 |
| do G | 3 | 11 | 2 | 40 | 56 |
| do H | 3 | 13 | 2 | 50 | 68 |
| do I | 3 | 14 | 2 | 37 | 56 |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | 39 | .. | 39 |
| Total | 34 | 98 | 56 | 415 | 613 |
| **23d Regiment.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 11 | .. | 73 | 87 |
| do B | 3 | 11 | .. | 46 | 60 |
| do C | 3 | 5 | .. | 34 | 42 |
| do D | 3 | 7 | .. | 30 | 40 |
| do E | 2 | 6 | .. | 30 | 38 |
| do F | 2 | 7 | .. | 44 | 53 |
| do G | 3 | 7 | .. | 28 | 38 |
| do H | .... | .... | .. | .. | .. |
| do I | 3 | 7 | .. | 33 | 43 |
| do K | 3 | 10 | .. | 48 | 61 |
| Regimental band | .... | .... | 24 | .. | 24 |
| Total | 33 | 78 | 24 | 366 | 501 |
| **24th Regiment.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .. | 5 | .. | .. | 5 |
| Company A | 3 | 13 | .. | 30 | 46 |
| do B | 3 | 13 | 1 | 40 | 57 |
| do C | .... | .... | .. | .. | .. |
| do D | 3 | 12 | 1 | 39 | 55 |
| do E | 3 | 13 | .. | 47 | 63 |
| do F | 3 | 14 | 2 | 29 | 48 |
| do G | 3 | 14 | 1 | 26 | 44 |
| do H | 3 | 9 | 1 | 34 | 47 |
| do I | 3 | 11 | 1 | 38 | 53 |
| do K | 3 | 6 | 1 | 24 | 34 |
| Regimental band | .... | .... | 23 | .. | 23 |
| Total | 35 | 110 | 31 | 307 | 483 |
| **25th Regiment.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 3 | 10 | .. | 30 | 43 |
| do B | 3 | 8 | 2 | 44 | 57 |
| do C | 3 | 9 | .. | 40 | 52 |
| do D | 3 | 13 | .. | 40 | 56 |
| do E | 3 | 11 | .. | 34 | 48 |
| do F | 3 | 9 | .. | 39 | 51 |
| do G | 3 | 12 | .. | 35 | 50 |
| do H | 3 | 10 | .. | 35 | 48 |
| do I | 3 | 14 | .. | 36 | 53 |
| do K | 1 | 13 | .. | 39 | 53 |
| Regimental band | .... | .... | 12 | .. | 12 |
| Total | 36 | 114 | 14 | 372 | 536 |
| **26th Battalion.** | | | | | |
| Field and staff | 2 | .... | .. | .. | 2 |
| Non-com'd staff | .... | .... | .. | .. | .. |
| Company A | 3 | 10 | .. | 65 | 78 |
| do B | 3 | 7 | .. | 69 | 79 |
| do C | 1 | 11 | .. | 47 | 62 |
| do D | .... | .... | .. | .. | .. |
| do E | 1 | 11 | 1 | 44 | 57 |
| do F | .... | .... | .. | .. | .. |
| do G | .... | .... | .. | .. | .. |
| do H | .... | .... | .. | .. | .. |
| do I | .... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | 8 | .. | 8 |
| Total | 10 | 42 | 9 | 225 | 286 |
| **28th Regiment.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 6 | .. | .. | 6 |
| Company A | 3 | 11 | 4 | 30 | 48 |
| do B | 3 | 10 | 2 | 24 | 39 |
| do C | 3 | 10 | 4 | 20 | 37 |
| do D | 2 | 8 | 2 | 11 | 23 |
| do E | 3 | 8 | 2 | 19 | 32 |
| do F | 3 | 9 | 2 | 24 | 38 |
| do G | 3 | 13 | 3 | 40 | 59 |
| do H | 3 | 10 | 3 | 26 | 42 |
| do I | 3 | 10 | 1 | 20 | 34 |
| do K | 3 | 9 | 3 | 22 | 37 |
| Regimental band | .... | ... | 19 | .. | 19 |
| Total | 37 | 104 | 45 | 236 | 422 |
| **32d Regiment.** | | | | | |
| Field and staff | 6 | .... | .. | .. | 6 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Company A | 3 | 10 | 3 | 29 | 45 |
| do B | 3 | 12 | 2 | 26 | 43 |
| do C | 3 | 13 | 3 | 31 | 50 |
| do D | 3 | 12 | 1 | 31 | 47 |
| do E | 3 | 10 | 3 | 30 | 46 |
| do F | 3 | 12 | 3 | 27 | 45 |
| do G | 2 | 12 | 2 | 34 | 50 |
| do H | 3 | 14 | 3 | 23 | 43 |
| do I | .... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | 20 | .. | 20 |
| Total | 29 | 98 | 40 | 231 | 398 |

Abstract of Muster and Inspection Rolls — (Continued).

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 33D BATTALION.* | | | | | |
| Field | .... | .... | .. | .. | .. |
| Staff | .... | .... | .. | .. | .. |
| Company A | .... | .... | .. | .. | .. |
| do B | .... | .... | .. | .. | .. |
| do C | .... | .... | .. | .. | .. |
| do D | .... | .... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | .... | .... | .. | .. | .. |
| do G | .... | .... | .. | .. | .. |
| do H | .... | .... | .. | .. | .. |
| do I | .... | .... | .. | .. | .. |
| do K | | .... | .. | .. | .. |
| Regimental band | .... | .... | .. | .. | .. |
| Total | .... | .... | .. | .. | .. |
| 44TH REGIMENT. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | . | 4 | .. | .. | 4 |
| Company A | 3 | 10 | .. | 44 | 57 |
| do B | 3 | 10 | 1 | 38 | 52 |
| do C | 3 | 9 | 2 | 43 | 57 |
| do D | 3 | 14 | .. | 39 | 56 |
| do E | 3 | 11 | .. | 40 | 54 |
| do F | 3 | 8 | 1 | 42 | 54 |
| do G | 1 | 6 | .. | 35 | 43 |
| do H | 3 | 11 | 1 | 35 | 50 |
| do I | ... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | ... | 13 | .. | 13 |
| Total | 30 | 83 | 18 | 316 | 448 |
| 48TH REGIMENT. | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 6 | .. | .. | 6 |
| Company A | 3 | 9 | 1 | 34 | 47 |
| do B | 3 | 13 | .. | 50 | 66 |
| do C | 3 | 8 | .. | 34 | 45 |
| do D | 3 | 13 | .. | 34 | 50 |
| do E | 3 | 9 | .. | 38 | 50 |
| do F | 3 | 6 | .. | 32 | 41 |
| do G | 3 | 9 | .. | 37 | 49 |
| do H | 3 | 13 | .. | 33 | 49 |
| do I | 3 | 9 | 5 | 31 | 48 |
| do K | 3 | 7 | .. | 45 | 55 |
| Regimental band | ... | .... | 16 | .. | 16 |
| Total | 39 | 102 | 22 | 368 | 531 |
| 50TH REGIMENT. | | | | | |
| Field | .... | .... | .. | .. | .. |
| Staff | .... | ... | .. | .. | .. |
| Company A | .... | ... | .. | .. | .. |
| do B | .... | ... | .. | .. | .. |
| do C | .... | .... | .. | .. | .. |
| do D | ... | ... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | .... | ... | .. | .. | .. |
| do G | ... | .... | .. | .. | . |
| do H | .... | .... | .. | .. | .. |
| do I | ... | .... | .. | . | .. |
| do K | .... | .... | .. | . | .. |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 37 | 93 | 24 | 266 | 420 |

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 35TH REGIMENT. | | | | | |
| Field and staff | 5 | ... | .. | .. | 5 |
| Non-com'd staff | .... | 6 | .. | .. | 6 |
| Company A | 2 | 15 | 2 | 47 | 66 |
| do B | 3 | 12 | .. | 55 | 70 |
| do C | 2 | 10 | 1 | 37 | 50 |
| do D | 3 | 10 | 1 | 52 | 66 |
| do E | 3 | 14 | .. | 57 | 74 |
| do F | 3 | 7 | .. | 22 | 32 |
| do G | 3 | 6 | 3 | 66 | 78 |
| do H | 2 | 14 | .. | 38 | 54 |
| do I | 3 | 10 | 2 | 59 | 74 |
| do K | 3 | 15 | 2 | 45 | 64 |
| Regimental band | .... | ... | .. | .. | .. |
| Total | 32 | 119 | 11 | 578 | 640 |
| 47TH REGIMENT. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 9 | 1 | 28 | 41 |
| do B | 3 | 9 | 2 | 46 | 60 |
| do C | 3 | 8 | 2 | 23 | 36 |
| do D | 3 | 10 | 2 | 34 | 49 |
| do E | 3 | 9 | 2 | 40 | 54 |
| do F | 3 | 8 | 2 | 30 | 43 |
| do G | 3 | 9 | 1 | 24 | 37 |
| do H | .... | .... | .. | .. | .. |
| do I | 2 | 12 | 2 | 28 | 44 |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | 25 | .. | 25 |
| Total | 31 | 81 | 39 | 253 | 404 |
| 49TH REGIMENT. | | | | | |
| Field and staff | 8 | .... | . | .. | 8 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Company A | 2 | 13 | 2 | 46 | 63 |
| do B | 3 | 12 | 2 | 38 | 55 |
| do C | 3 | 13 | 2 | 53 | 71 |
| do D | 3 | 13 | .. | 37 | 53 |
| do E | 3 | 14 | 2 | 35 | 54 |
| do F | 2 | 14 | 2 | 34 | 52 |
| do G | 3 | 12 | 2 | 34 | 51 |
| do H | 3 | 7 | 1 | 45 | 56 |
| do I | .... | .... | .. | .. | .. |
| do K | ... | .... | .. | .. | .. |
| Regimental band | .... | .... | 13 | .. | 13 |
| Total | 30 | 101 | 26 | 322 | 479 |
| 51ST REGIMENT. | | | | | |
| Field and staff | 9 | .... | .. | . | 9 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 3 | 10 | .. | 25 | 38 |
| do B | 3 | 11 | .. | 31 | 45 |
| do C | 3 | 13 | .. | 31 | 47 |
| do D | .... | 1 | .. | 17 | 18 |
| do E | 3 | 10 | 2 | 46 | 61 |
| do F | 3 | 10 | .. | 41 | 54 |
| do G | 3 | 14 | .. | 37 | 54 |
| do H | 3 | 10 | .. | 30 | 43 |
| do I | 3 | 9 | 1 | 21 | 34 |
| do K | 2 | 14 | .. | 36 | 52 |
| Regimental band | .... | .... | 20 | .. | 20 |
| Total | 35 | 109 | 23 | 315 | 482 |

* No return.

Abstract of Muster and Inspection Rolls—(Continued).

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 54th Regiment. | | | | | |
| Field and staff | 6 | ... | .. | .. | 6 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 3 | 13 | 2 | 33 | 51 |
| do B | 3 | 14 | .. | 56 | 73 |
| do C | 3 | 14 | .. | 24 | 41 |
| do D | 3 | 14 | .. | 40 | 57 |
| do E | 2 | 14 | .. | 49 | 65 |
| do F | 3 | 12 | .. | 36 | 51 |
| do G | 3 | 13 | .. | 35 | 51 |
| do H | 3 | 9 | .. | 50 | 62 |
| do I | 3 | 13 | .. | 58 | 74 |
| do K | 2 | 13 | . | 25 | 40 |
| Regimental band | .... | .... | 13 | .. | 13 |
| Total | 34 | 134 | 15 | 406 | 589 |
| 65th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | ... | 6 | .. | .. | 6 |
| Company A | 3 | 13 | 2 | 30 | 48 |
| do B | 3 | 13 | 2 | 34 | 52 |
| do C | 3 | 9 | 3 | 49 | 64 |
| do D | 3 | 11 | 2 | 47 | 63 |
| do E | 3 | 11 | 2 | 43 | 59 |
| do F | 3 | 5 | 2 | 51 | 61 |
| do G | 3 | 10 | 1 | 34 | 48 |
| do H | 3 | 12 | 3 | 34 | 52 |
| do I | .... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | ... | ... | 21 | .. | 21 |
| Total | 32 | 90 | 38 | 322 | 482 |
| 71st Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 2 | 11 | 2 | 45 | 60 |
| do B | 1 | 8 | 2 | 35 | 46 |
| do C | 2 | 8 | 2 | 37 | 49 |
| do D | 2 | 14 | .. | 49 | 65 |
| do E | 3 | 10 | 2 | 40 | 55 |
| do F | 3 | 8 | 2 | 57 | 70 |
| do G | 3 | 14 | 2 | 54 | 73 |
| do H | 2 | 5 | 2 | 32 | 41 |
| do I | 1 | 8 | 2 | 32 | 43 |
| do K | 3 | 10 | .. | 51 | 64 |
| Regimental band | .... | .... | 39 | .. | 39 |
| Total | 30 | 101 | 55 | 432 | 618 |
| 79th Battalion. | | | | | |
| Field and staff | 6 | .... | .. | .. | 6 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Company A | 2 | 11 | 2 | 19 | 34 |
| do B | .... | .... | . | .. | .. |
| do C | 3 | 8 | 2 | 69 | 82 |
| do D | 3 | 8 | 2 | 36 | 49 |
| do E | 2 | 9 | 2 | 46 | 59 |
| do F | 1 | 6 | 2 | 35 | 44 |
| do G | 1 | 13 | 2 | 32 | 48 |
| do H | 3 | 11 | 2 | 44 | 60 |
| do I | ... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | ... | 25 | .. | 25 |
| Total | 21 | 69 | 39 | 281 | 410 |

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 55th Regiment. | | | | | |
| Field and staff | 6 | ... | .. | .. | 6 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | 1 | 8 | 2 | 10 | 21 |
| do B | 3 | 10 | 2 | 29 | 44 |
| do C | 3 | 10 | 3 | 58 | 74 |
| do D | 1 | 9 | 2 | 28 | 40 |
| do E | 3 | 8 | 2 | 29 | 42 |
| do F | 2 | 13 | 3 | 60 | 78 |
| do G | 2 | 7 | 3 | 24 | 36 |
| do H | 3 | 9 | 2 | 32 | 46 |
| do I | 3 | 9 | 1 | 28 | 41 |
| do K | .. | .... | .. | .. | .. |
| Regimental band | .... | .... | 27 | .. | 27 |
| Total | 27 | 90 | 47 | 298 | 462 |
| 69th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 4 | .. | .. | 4 |
| Company A | 2 | 10 | 2 | 52 | 66 |
| do B | 3 | 13 | 1 | 38 | 55 |
| do C | 3 | 10 | 2 | 47 | 62 |
| do D | 1 | 11 | 1 | 40 | 53 |
| do E | 3 | 12 | 2 | 51 | 68 |
| do F | 3 | 12 | 1 | 49 | 65 |
| do G | 3 | 9 | 2 | 60 | 74 |
| do H | 3 | 12 | 2 | 37 | 54 |
| do I | 3 | 12 | 2 | 32 | 49 |
| do K | 2 | 11 | 1 | 38 | 52 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 34 | 116 | 16 | 444 | 610 |
| 74th Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Company A | 3 | 14 | 2 | 30 | 49 |
| do B | 3 | 14 | 2 | 32 | 51 |
| do C | 3 | 13 | .. | 37 | 53 |
| do D | ... | 11 | 2 | 14 | 27 |
| do E | 3 | 14 | 2 | 34 | 53 |
| do F | 3 | 11 | 2 | 33 | 49 |
| do G | 3 | 14 | 2 | 32 | 51 |
| do H | .... | .... | .. | .. | . |
| do I | .... | .... | .. | .. | .. |
| do K | 3 | 14 | 3 | 75 | 95 |
| Regimental band | ... | .... | 18 | .. | 18 |
| Total | 29 | 108 | 33 | 287 | 457 |
| 83d Regiment. | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 4 | .. | .. | 4 |
| Company A | 3 | 13 | .. | 53 | 69 |
| do B | 3 | 13 | .. | 47 | 63 |
| do C | 3 | 8 | .. | 55 | 66 |
| do D | 3 | 9 | 4 | 53 | 69 |
| do E | 3 | 13 | .. | 41 | 57 |
| do F | 3 | 7 | 3 | 43 | 56 |
| do G | 3 | 7 | 3 | 40 | 53 |
| do H | 2 | 8 | .. | 41 | 51 |
| do I | 3 | 7 | 3 | 28 | 41 |
| do K | 3 | 8 | .. | 45 | 56 |
| Regimental band | .... | .... | 16 | .. | 16 |
| Total | 38 | 97 | 29 | 446 | 610 |

Abstract of Muster and Inspection Rolls — (Continued).

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| **84TH REGIMENT.** | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 7 | .. | .. | 7 |
| Company A | ... | .. | .. | .. | .. |
| do B | 3 | 9 | 2 | 23 | 37 |
| do C | 3 | 8 | 3 | 23 | 37 |
| do D | .... | .... | .. | .. | .. |
| do E | 3 | 9 | 2 | 38 | 52 |
| do F | 3 | 10 | 2 | 31 | 46 |
| do G | 2 | 10 | 2 | 35 | 49 |
| do H | 3 | 12 | 2 | 40 | 57 |
| do I | 2 | 14 | 3 | 48 | 67 |
| do K | 2 | 13 | 2 | 39 | 56 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 29 | 92 | 18 | 277 | 416 |
| **87TH BATTALION.*** | | | | | |
| Field | .... | .... | .. | .. | .. |
| Staff | .... | .... | .. | .. | .. |
| Company A | .... | .... | .. | .. | .. |
| do B | .... | .... | .. | .. | .. |
| do C | .... | .... | .. | .. | .. |
| do D | .... | .... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | .... | .... | . | .. | .. |
| do G | .... | .... | .. | .. | .. |
| do H | ... | .... | .. | .. | .. |
| do I | .... | .... | .. | .. | .. |
| do K | .... | ... | .. | .. | .. |
| Regimental band | .. | .. | .. | .. | .. |
| Total | .... | .... | .. | .. | .. |
| **96TH REGIMENT.** | | | | | |
| Field and staff | 5 | .... | .. | .. | 5 |
| Non-com'd staff | .... | 8 | .. | .. | 8 |
| Company A | 1 | 5 | 2 | 33 | 41 |
| do B | 3 | 9 | 2 | 33 | 47 |
| do C | 2 | 9 | 2 | 24 | 37 |
| do D | 2 | 12 | 2 | 24 | 40 |
| do E | 2 | 10 | 2 | 38 | 52 |
| do F | 2 | 10 | 2 | 43 | 57 |
| do G | .... | .... | .. | .. | .. |
| do H | 3 | 6 | 2 | 23 | 34 |
| do I | 3 | 9 | 2 | 33 | 47 |
| do K | 3 | 11 | 2 | 49 | 65 |
| Regimental band | .... | .... | 20 | .. | 20 |
| Total | 26 | 89 | 38 | 300 | 453 |
| **106TH REGIMENT.** | | | | | |
| Field and staff | 9 | .... | .. | .. | 9 |
| Non-com'd staff | .... | 6 | .. | .. | 6 |
| Company A | 3 | 14 | 3 | 35 | 55 |
| do B | 3 | 13 | 3 | 35 | 54 |
| do C | 3 | 12 | .. | 20 | 35 |
| do D | .... | .... | .. | .. | .. |
| do E | 3 | 7 | .. | 10 | 20 |
| do F | .... | .... | .. | .. | .. |
| do G | 3 | 7 | 2 | 64 | 76 |
| do H | 3 | 7 | .. | 33 | 43 |
| do I | 3 | 13 | .. | 58 | 74 |
| do K | 3 | 13 | 3 | 29 | 48 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 33 | 92 | 11 | 284 | 420 |

| INFANTRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| **86TH REGIMENT.** | | | | | |
| Field and staff | 7 | .. | .. | .. | 7 |
| Non-com'd staff | .... | 5 | .. | .. | 5 |
| Company A | 2 | 2 | .. | 29 | 33 |
| do B | 3 | 9 | 3 | 40 | 55 |
| do C | 2 | 4 | .. | 28 | 34 |
| do D | 3 | 3 | .. | 20 | 26 |
| do E | 3 | 12 | 3 | 38 | 56 |
| do F | 2 | ... | .. | 3 | 5 |
| do G | 3 | 14 | 2 | 28 | 47 |
| do H | 2 | 4 | 2 | 18 | 27 |
| do I | 3 | 10 | 1 | 46 | 60 |
| do K | 2 | 4 | .. | 38 | 44 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 32 | 67 | 11 | 288 | 398 |
| **91ST BATTALION.** | | | | | |
| Field | .... | .... | .. | .. | .. |
| Staff | .... | .... | .. | .. | .. |
| Company A | .... | .... | .. | .. | .. |
| do B | .... | .... | .. | .. | .. |
| do C | .. | .... | .. | .. | .. |
| do D | .... | ... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | .... | .. | .. | .. | .. |
| do G | .... | .... | .. | .. | .. |
| do H | .... | .... | .. | .. | .. |
| do I | ... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | ... | .... | .. | .. | .. |
| Total | 24 | 45 | 7 | 203 | 279 |
| **103D REGIMENT.** | | | | | |
| Field and staff | 5 | .... | .. | .. | 5 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Company A | 3 | 8 | 1 | 43 | 55 |
| do B | 3 | 6 | 2 | 33 | 44 |
| do C | 3 | 13 | 3 | 61 | 80 |
| do D | 3 | 8 | 3 | 31 | 45 |
| do E | 2 | 8 | 6 | 91 | 107 |
| do F | 2 | 7 | 2 | 23 | 34 |
| do G | 3 | 8 | .. | 19 | 30 |
| do H | 3 | 8 | 4 | 37 | 52 |
| do I | 3 | 10 | 3 | 17 | 33 |
| do K | 3 | 8 | 1 | 30 | 42 |
| Regimental band | ... | .... | 17 | .. | 17 |
| Total | 33 | 87 | 42 | 385 | 547 |
| **110TH BATTALION.** | | | | | |
| Field | .... | .... | .. | .. | .. |
| Staff | ... | .... | .. | .. | .. |
| Company A | .... | .... | .. | .. | .. |
| do B | .... | .... | .. | .. | .. |
| do C | .... | .... | .. | .. | .. |
| do D | .... | .... | .. | .. | .. |
| do E | .... | .... | .. | .. | .. |
| do F | ... | ... | .. | .. | .. |
| do G | .... | .... | .. | .. | .. |
| do H | ... | .... | .. | .. | .. |
| do I | ... | .... | .. | .. | .. |
| do K | .... | .... | .. | .. | .. |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 10 | 22 | 4 | 114 | 150 |

* No return.

Abstract of Muster and Inspection Rolls — (Continued).

| CAVALRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 1st Regiment. | | | | | |
| Field and staff | 8 | .... | .. | .. | 8 |
| Non-com'd staff | .... | 1 | .. | .. | 1 |
| Troop A | 4 | 10 | 1 | 18 | 33 |
| do B | 4 | 6 | 1 | 10 | 21 |
| do C | 3 | 7 | .. | 12 | 22 |
| do D | 4 | 7 | .. | 23 | 34 |
| do E | 2 | 7 | 1 | 38 | 48 |
| do F | 4 | 13 | .. | 43 | 60 |
| do G | 3 | 11 | .. | 31 | 45 |
| do H | .... | .... | .. | .. | .. |
| do I | .... | .... | .. | .. | .. |
| do K | 4 | 10 | .. | 22 | 36 |
| Regimental band | .... | ... | .. | .. | .. |
| Total | 36 | 72 | 3 | 197 | 308 |
| 2d Battalion. | | | | | |
| Field and staff | 7 | .... | . | .. | 7 |
| Non-com'd staff | .... | 3 | .. | .. | 3 |
| Troop A | 4 | 7 | 1 | 39 | 51 |
| do B | 3 | 4 | .. | 11 | 18 |
| do C | 3 | 10 | 2 | 32 | 47 |
| do D | 2 | 6 | .. | 13 | 21 |
| do E | 4 | 14 | .. | 29 | 47 |
| Total | 23 | 44 | 3 | 124 | 194 |
| Separate Troop, 1st Division. | 3 | 13 | 3 | 50 | 69 |
| Separate Troop, 5th Brigade. | 4 | 17 | 4 | 64 | 89 |
| Separate Troop, 11th Brigade. | 4 | 12 | .. | 52 | 68 |

| CAVALRY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|
| 3d Regiment. | | | | | |
| Field and staff | 10 | .... | .. | .. | 10 |
| Non-com'd staff | ... | 3 | .. | .. | 3 |
| Troop A | ... | .... | .. | .. | .. |
| do B | 3 | 10 | 1 | 33 | 47 |
| do C | ... | .... | .. | .. | .. |
| do D | 4 | 10 | 2 | 34 | 50 |
| do E | 4 | 11 | 1 | 33 | 49 |
| do F | 4 | 11 | 1 | 32 | 48 |
| do G | 4 | 12 | 1 | 64 | 81 |
| do H | 4 | 10 | 2 | 39 | 55 |
| do I | 4 | 14 | 2 | 59 | 79 |
| do K | 3 | 13 | 2 | 42 | 60 |
| Regimental band | .... | .... | .. | .. | .. |
| Total | 40 | 84 | 12 | 336 | 482 |
| Troop Washington Greys. | 4 | 12 | .. | 34 | 50 |
| Separate Troop, 2d Division. | 4 | 14 | 2 | 82 | 102 |
| Separate Troop, 9th Brigade. | 4 | 18 | 1 | 61 | 81 |

Abstract of Muster and Inspection Rolls.—(Continued.)

| ARTILLERY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. | ARTILLERY. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BATTALION 24TH BRIGADE. | | | | | | BATTALION 25TH BRIGADE. | | | | | |
| Field and staff. ..... | 5 | .... | .. | .. | 5 | Field and staff ..... | 4 | .... | .. | .. | 4 |
| Non-com'd staff ..... | .. | 5 | .. | .. | 5 | Non-com'd staff ..... | ... | 5 | .. | .. | 5 |
| Battery A ..... ..... | 4 | 17 | 2 | 55 | 78 | Battery A ..... ... | 4 | 14 | 2 | 69 | 89 |
| do B ..... | 4 | 16 | 2 | 54 | 76 | do B ..... | 4 | 15 | 2 | 50 | 71 |
| Total..... . | 13 | 38 | 4 | 109 | 164 | Total..... ... | 12 | 34 | 4 | 119 | 169 |
| Battery B, 1st Division. | 6 | 14 | 4 | 63 | 87 | Battery C, 1st Division | 4 | 16 | 3 | 54 | 77 |
| Battery G, 1st Division. | 3 | 10 | .. | 36 | 49 | Battery K, 1st Division | 5 | 20 | 2 | 70 | 97 |
| Battery A, 2d Division. | 3 | 11 | 1 | 43 | 58 | Battery B, 2d Division | 4 | 10 | .. | 49 | 63 |
| Battery A, 9th brigade. | 2 | 15 | 2 | 70 | 89 | Battery B, 10th Brigade | 4 | 13 | 1 | 54 | 72 |
| Howitzer Battery, 11th Brigade ..... | 3 | 14 | .. | 42 | 59 | Battery, 28th Brigade | 3 | 8 | .. | 73 | 84 |

# RECAPITULATION BY BRIGADES.

| BRIGADE. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1st Brigade. | | | | | | | | | | |
| 12th regiment | 31 | 91 | 42 | 327 | 491 | | | | | |
| 22d do | 34 | 98 | 56 | 415 | 603 | | | | | |
| 69th do | 34 | 116 | 16 | 444 | 610 | | | | | |
| 71st do | 30 | 101 | 55 | 432 | 618 | | | | | |
| 79th battalion | 21 | 69 | 39 | 281 | 410 | | | | | |
| 1st regiment cavalry | 36 | 72 | 3 | 197 | 308 | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 197 | 547 | 211 | 2,096 | 3,051 |
| 2d Brigade. | | | | | | | | | | |
| 5th regiment | 33 | 123 | 51 | 375 | 583 | | | | | |
| 6th do | 29 | 107 | 57 | 431 | 624 | | | | | |
| 11th do | 36 | 104 | 24 | 387 | 551 | | | | | |
| 84th do | 29 | 92 | 18 | 277 | 416 | | | | | |
| 96th do | 26 | 89 | 38 | 300 | 453 | | | | | |
| 3d regiment cavalry | 40 | 84 | 12 | 336 | 482 | | | | | |
| Brigade officers | 11 | ... | ... | .... | 11 | | | | | |
| | | | | | | 204 | 599 | 201 | 2,106 | 3,110 |
| 3d Brigade. | | | | | | | | | | |
| 1st regiment | 30 | 86 | 41 | 225 | 382 | | | | | |
| 7th do | 38 | 130 | 78 | 657 | 906 | | | | | |
| 8th do | 33 | 101 | 56 | 299 | 529 | | | | | |
| 9th do | 35 | 126 | 127 | 497 | 785 | | | | | |
| 55th do | 27 | 90 | 47 | 298 | 462 | | | | | |
| Troop Washington Greys | 4 | 12 | .... | 34 | 50 | | | | | |
| Brigade officers | 11 | ... | .... | .... | 11 | | | | | |
| | | | | | | 178 | 545 | 349 | 2,010 | 3,082 |
| 5th Brigade. | | | | | | | | | | |
| 13th regiment | 33 | 89 | 51 | 329 | 502 | | | | | |
| 14th do | 27 | 80 | 35 | 239 | 381 | | | | | |
| 28th do | 37 | 104 | 45 | 236 | 422 | | | | | |
| Separate troop cavalry | 4 | 17 | 4 | 64 | 89 | | | | | |
| Brigade officers | 11 | .... | .... | ... | 11 | | | | | |
| | | | | | | 112 | 290 | 135 | 868 | 1,405 |
| 7th Brigade. | | | | | | | | | | |
| 3d regiment | 36 | 110 | 24 | 377 | 547 | | | | | |
| Brigade officers | 11 | ... | .... | ... | 11 | | | | | |
| | | | | | | 47 | 110 | 24 | 377 | 558 |
| 8th Brigade. | | | | | | | | | | |
| 20th regiment | 21 | 51 | 8 | 249 | 329 | | | | | |
| 21st do | 37 | 100 | 65 | 352 | 554 | | | | | |
| 86th do | 32 | 67 | 11 | 288 | 398 | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 101 | 218 | 84 | 889 | 1,292 |
| 9th Brigade. | | | | | | | | | | |
| 10th regiment | 34 | 130 | 2 | 392 | 558 | | | | | |
| 25th do | 36 | 114 | 14 | 372 | 536 | | | | | |
| Troop of cavalry | 4 | 18 | 1 | 61 | 84 | | | | | |
| Battery of artillery | 2 | 15 | 2 | 70 | 89 | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 87 | 277 | 19 | 895 | 1,278 |
| 10th Brigade. | | | | | | | | | | |
| 24th regiment | 35 | 110 | 31 | 307 | 483 | | | | | |
| Battery of artillery | 4 | 13 | 1 | 54 | 72 | | | | | |
| Brigade officers | 11 | ... | .... | .... | 11 | | | | | |
| | | | | | | 50 | 123 | 32 | 361 | 566 |
| 11th Brigade. | | | | | | | | | | |
| 23d regiment | 33 | 78 | 24 | 366 | 501 | | | | | |
| 32d do | 29 | 98 | 40 | 231 | 398 | | | | | |
| 47th do | 31 | 81 | 39 | 253 | 404 | | | | | |
| Troop of cavalry | 4 | 12 | ... | 52 | 68 | | | | | |
| Battery of artillery | 3 | 14 | ... | 42 | 59 | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 111 | 283 | 103 | 944 | 1,441 |

Recapitulation by Brigades—(Continued).

| BRIGADE. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|
| 13TH BRIGADE. | | | | | | | | | | |
| 83d regiment | 38 | 97 | 29 | 446 | 610 | | | | | |
| Brigade officers | 11 | ... | .... | ... | 11 | | | | | |
| | | | | | | 49 | 97 | 29 | 446 | 621 |
| 16TH BRIGADE. | | | | | | | | | | |
| 35th regiment | 32 | 119 | 11 | 578 | 640 | | | | | |
| 87th battalion * | .... | ... | .... | ... | .. | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 43 | 119 | 11 | 578 | 651 |
| 19TH BRIGADE. | | | | | | | | | | |
| 108d regiment | 33 | 87 | 42 | 385 | 547 | | | | | |
| Brigade officers | 11 | .... | ... | .... | 11 | | | | | |
| | | | | | | 44 | 87 | 42 | 385 | 558 |
| 20TH BRIGADE. | | | | | | | | | | |
| 106th regiment | 33 | 92 | 11 | 284 | 423 | | | | | |
| 110th battalion | 10 | 22 | 4 | 114 | 150 | | | | | |
| Brigade officers | 10 | .... | .... | .... | 10 | | | | | |
| | | | | | | 53 | 114 | 15 | 398 | 583 |
| 21ST BRIGADE. | | | | | | | | | | |
| 26th battalion | 10 | 42 | 9 | 225 | 286 | | | | | |
| 33d do * | .... | .. . | ... | .... | ... | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 21 | 42 | 9 | 225 | 297 |
| 22D BRIGADE. | | | | | | | | | | |
| 19th battalion | 23 | 66 | 7 | 255 | 351 | | | | | |
| 91st do | 24 | 45 | 7 | 203 | 279 | | | | | |
| Brigade officers | 10 | ... | .... | .... | 10 | | | | | |
| | | | | | | 57 | 111 | 14 | 458 | 630 |
| 23D BRIGADE. | | | | | | | | | | |
| 49th regiment | 30 | 101 | 26 | 322 | 479 | | | | | |
| Brigade officers | 11 | .... | .... | .... | 11 | | | | | |
| | | | | | | 41 | 101 | 26 | 322 | 490 |
| 24TH BRIGADE. | | | | | | | | | | |
| 48th regiment | 39 | 102 | 22 | 368 | 531 | | | | | |
| 51st do | 35 | 109 | 23 | 315 | 482 | | | | | |
| 2d battalion cavalry | 23 | 44 | 3 | 124 | 194 | | | | | |
| Battalion of artillery | 13 | 38 | 4 | 109 | 164 | | | | | |
| Brigade officers | 11 | .... | .. . | .... | 11 | | | | | |
| | | | | | | 121 | 293 | 52 | 916 | 1,382 |
| 25TH BRIGADE. | | | | | | | | | | |
| 54th regiment | 34 | 134 | 15 | 406 | 589 | | | | | |
| Battalion of artillery | 12 | 34 | 4 | 119 | 169 | | | | | |
| Brigade officers | 11 | .. . | .... | .... | 11 | | | | | |
| | | | | | | 57 | 168 | 19 | 525 | 769 |
| 28TH RRIGADE. | | | | | | | | | | |
| 44th regiment | 30 | 83 | 18 | 316 | 448 | | | | | |
| 50th do | 37 | 93 | 24 | 266 | 420 | | | | | |
| Battery of artillery | 3 | 8 | ... | 73 | 84 | | | | | |
| Brigade officers | 11 | ... | .... | .... | 11 | | | | | |
| | | | | | | 81 | 184 | 42 | 655 | 963 |
| 31ST BRIGADE. | | | | | | | | | | |
| 65th regiment | 32 | 90 | 38 | 322 | 482 | | | | | |
| 74th do | 29 | 108 | 33 | 287 | 457 | | | | | |
| Brigade officers | 11 | .... | ... | .... | 11 | | | | | |
| | | | | | | 72 | 198 | 71 | 609 | 950 |
| Brigade officers in districts where there are no regimental organizations | 50 | .... | .... | .... | 50 | | | | | |
| | | | | | | 50 | .... | .... | ..... | 50 |

* No return.

# RECAPITULATION BY DIVISIONS.

| DIVISIONS. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. | Commissioned officers. | Non-commis'd officers. | Musicians. | Privates. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1st Division. | | | | | | | | | | |
| 1st Brigade | 197 | 547 | 211 | 2,096 | 3,051 | | | | | |
| 2d do | 204 | 599 | 201 | 2,106 | 3,110 | | | | | |
| 3d do | 178 | 545 | 349 | 2,010 | 3,082 | | | | | |
| Batteries B, C, G and K | 18 | 60 | 9 | 223 | 310 | | | | | |
| Division officers | 11 | .... | .... | ..... | 11 | | | | | |
| | | | | | | 608 | 1,751 | 770 | 6,435 | 9,564 |
| 2d Division. | | | | | | | | | | |
| 5th Brigade | 112 | 290 | 135 | 868 | 1,405 | | | | | |
| 11th do | 111 | 283 | 103 | 944 | 1,441 | | | | | |
| Batteries A and B | 7 | 21 | 1 | 92 | 121 | | | | | |
| Division officers | 11 | .... | .... | ..... | 11 | | | | | |
| | | | | | | 241 | 594 | 239 | 1,904 | 2,978 |
| 3d Division. | | | | | | | | | | |
| 9th Brigade | 87 | 277 | 19 | 895 | 1,278 | | | | | |
| 10th do | 50 | 123 | 32 | 361 | 566 | | | | | |
| 13th do | 49 | 97 | 29 | 446 | 621 | | | | | |
| Division officers | 11 | ... | .... | ..... | 11 | | | | | |
| | | | | | | 197 | 497 | 80 | 1,702 | 2,476 |
| 4th Division. | | | | | | | | | | |
| 16th Brigade | 43 | 119 | 11 | 578 | 651 | | | | | |
| Division officers | 10 | .... | ... | ..... | 10 | | | | | |
| | | | | | | 53 | 119 | 11 | 578 | 661 |
| 5th Division. | | | | | | | | | | |
| 8th Brigade | 101 | 218 | 84 | 889 | 1,292 | | | | | |
| 19th do | 44 | 87 | 42 | 385 | 558 | | | | | |
| 22d do | 57 | 111 | 14 | 458 | 640 | | | | | |
| 7th do | 47 | 110 | 24 | 377 | 558 | | | | | |
| Division officers | 11 | .... | ... | ..... | 11 | | | | | |
| | | | | | | 260 | 526 | 164 | 2,109 | 3,059 |
| 6th Division. | | | | | | | | | | |
| 21st Brigade | 21 | 42 | 9 | 225 | 297 | | | | | |
| 23d do | 41 | 101 | 26 | 322 | 490 | | | | | |
| 24th do | 121 | 293 | 52 | 916 | 1,382 | | | | | |
| 28th do | 81 | 184 | 42 | 655 | 963 | | | | | |
| Division officers | 10 | .... | .... | ..... | 10 | | | | | |
| | | | | | | 274 | 620 | 129 | 2,118 | 3,142 |
| 7th Division. | | | | | | | | | | |
| 20th Brigade | 53 | 114 | 15 | 398 | 583 | | | | | |
| 25th do | 57 | 168 | 19 | 525 | 769 | | | | | |
| Division officers | 12 | .... | .... | ..... | 12 | | | | | |
| | | | | | | 122 | 282 | 34 | 923 | 1,364 |
| 8th Division. | | | | | | | | | | |
| 31st Brigade | 72 | 198 | 71 | 609 | 950 | | | | | |
| Division officers | 11 | .... | .... | ..... | 11 | | | | | |
| | | | | | | 83 | 198 | 71 | 609 | 961 |
| Officers in districts where there are no regimental organizations | .... | ... | .... | ..... | ..... | 61 | .... | .... | ..... | 61 |
| | | | | | | 1,899 | 4,587 | 1,498 | 16,278 | 24,266 |

(F.)

## RECAPITULATION OF THE MILITARY FORCE OF THE STATE.

| | Major-generals. | Brigadier-generals. | Adjutant-general. | Assistant adjutant-general. | Assistant adjutant-gen'ls of divisions (col's). | Assistant adjutant-gen'ls of brigades (lt.-c'ls.) | Adjutants of regiments (first lieutenants). | Inspector-general. | Assistant inspector-general. | Division inspectors (colonels). | Brigade inspectors (majors). | Commissary-general and chief of ordnance. | Assist. com.-gen. and chief of ordnance. | Chiefs of artillery. | Ordnance officers of divisions (lieut.-col's). | Ordnance officers of brigades (captains). | Engineer-in-chief. | Division engineers (colonels). | Brigade engineers (majors). | Judge-advocate general. | Division judge-advocates (colonels). | Brigade judge-advocates (majors). | Surgeon-general. | Division surgeons (colonels). | Brigade surgeons (majors). | Regimental surgeons (majors). |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General officers | 8 | 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| Adjutant-General's Department | | | 1 | 1 | 8 | 24 | 47 | | | | | | | | | | | | | | | | | | | |
| Inspector-General's Department | | | | | | | | 1 | 1 | 8 | 25 | | | | | | | | | | | | | | | |
| Commissary-General's Department | | | | | | | | | | | | 1 | 1 | 6 | 8 | 24 | | | | | | | | | | |
| Department of Engineers | | | | | | | | | | | | | | | | | 1 | 8 | 24 | | | | | | | |
| Judge-Advocate's Department | | | | | | | | | | | | | | | | | | | | 1 | 8 | 25 | | | | |
| Surgeon-General's Department | | | | | | | | | | | | | | | | | | | | | | | 1 | 8 | 24 | 45 |
| Quartermaster's Department | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paymaster's Department | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subsistence Department | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chaplains | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aides-de-camp to Commander-in-chief | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aides-de-camp to general officers | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Regiments | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 companies of infantry | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 companies of artillery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 companies of cavalry | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand aggregate | 8 | 25 | 1 | 1 | 8 | 24 | 47 | 1 | 1 | 8 | 25 | 1 | 1 | 6 | 8 | 24 | 1 | 8 | 24 | 1 | 8 | 25 | 1 | 8 | 24 | 45 |

## RECAPITULATION — (*Continued*).

| | Assistant surgeons (captains). | Quartermaster-general. | Division quartermasters (lieut.-colonels). | Brigade quartermasters (captains). | Regimental quartermasters (first lieutenants). | Paymaster-general. | Assistant paymaster-general. | Commissary-general of subsistence. | Division commissaries (lieut.-colonels). | Brigade commissaries (captains). | Regimental commissaries (first lieutenants). | Colonels. | Lieutenant-colonels. | Majors. | Captains. | First lieutenants. | Second lieutenants. | Company, non-commissioned officers, musicians and privates. | Aggregate uniformed militia. | Ununiformed militia. | Total militia. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General officers | | | | | | | | | | | | | | | | | | | | | |
| Adjutant-General's Department | | | | | | | | | | | | | | | | | | | | | |
| Inspector-General's Department | | | | | | | | | | | | | | | | | | | | | |
| Commissary-General's Department | | | | | | | | | | | | | | | | | | | | | |
| Department of Engineers | | | | | | | | | | | | | | | | | | | | | |
| Judge-Advocate's Department | | | | | | | | | | | | | | | | | | | | | |
| Surgeon-General's Department | 30 | | | | | | | | | | | | | | | | | | | | |
| Quartermaster's Department | | 1 | 8 | 24 | 46 | | | | | | | | | | | | | | | | |
| Paymaster's Department | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| Subsistence Department | | | | | | | | 1 | 8 | 25 | 36 | | | | | | | | | | |
| Chaplains | | | | | | | | | | | | | | | 34 | | | | | | |
| Aides-de-camp to Commander-in-chief | | | | | | | | | | | | 5 | | | | | | | | | |
| Aides-de-camp to general officers | | | | | | | | | | | | | | 15 | 32 | 22 | | | | | |
| Regiments | | | | | | | | | | | | 40 | 46 | 48 | 412 | 392 | 410 | | | | |
| 389 companies of infantry | | | | | | | | | | | | | | | | | | 20,168 | | | |
| 14 companies of artillery | | | | | | | | | | | | | | | | | | 1,221 | | | |
| 28 companies of cavalry | | | | | | | | | | | | | | | | | | 996 | | | |
| Grand aggregate | 30 | 1 | 8 | 24 | 46 | 1 | 1 | 1 | 8 | 25 | 36 | 45 | 46 | 63 | 479 | 414 | 410 | 22,385 | 24,266 | 460,800 | 485,066 |

(G.)

# TABLE OF MILITARY DISTRICTS.

| Division. | Brigade. | Regiment. | NAME OF COMMANDANT. | Includes brigades. | Includes regiments. | Includes number of companies. | Description of district. |
|---|---|---|---|---|---|---|---|
| | | | | | | | DIVISION. |
| 1 | .. | .. | Alexander Shaler ..... | 1, 2, 3. | 1, 5, 6, 7, 8, 9, 11, 12, 22, 55, 69, 71, 79, 84, 96, 1st and 3d Cav., Washington Greys & Batteries B, C, G & K. | .... | City and county of New York and county o5 Richmond. |
| | | | | | | | BRIGADE. |
| | 1 | . | William G. Ward ..... | ..... | 12, 22, 69, 71, 79 ... | .... | New York city. |
| | | | | | | | REGIMENT. |
| | | 12 | Col. John Ward, Jr.... | ..... | ..... | .... | New York city. |
| | | 22 | Col. Josiah Porter ..... | ..... | ..... | .... | New York city. |
| | | 69 | Col. James Cavanagh .. | ..... | ..... | .... | New York city. |
| | | 71 | Col. Harry Rockafeller . | ..... | ..... | .... | New York city. |
| | | 79 | Col. John J. Shaw ..... | ..... | ..... | .... | New York city. |
| | | | | | | | BRIGADE. |
| | 2 | .. | Augustus Funk ..... | ..... | 5, 6, 11, 84, 96..... | .... | New York city. |
| | | | | | | | REGIMENT. |
| | | 5 | Col. John E. Bendix ... | ..... | ..... | .... | New York city. |
| | | 6 | Col. Frank W. Sterry.. | ..... | ..... | ... | New York city. |
| | | 11 | Col. Frederick Vilmar.. | ..... | ..... | .... | New York city. |
| | | 84 | Col. F. A. Conkling ... | ..... | ..... | .... | New York city. |
| | | 96 | Col. John D. Krebhiel.. | ..... | ..... | .... | New York city. |
| | | | | | | | BRIGADE. |
| | 3 | .. | Joshua M. Varian..... | ..... | 1, 7, 8, 9, 55 ..... | .... | New York city. |
| | | | | | | | REGIMENT. |
| | | 1 | Lt.-Col. A. P. Webster.. | ..... | ..... | .... | New York city. |
| | | 7 | Col. Emmons Clark .... | ..... | ..... | .... | New York city. |
| | | 8 | Col. Geo D. Scott.. .. | ..... | ..... | .... | New York city. |
| | | 9 | Col. James Fisk, Jr.... | ..... | ..... | .... | New York city. |
| | | 55 | Col. Wm. B. Allen..... | ..... | ..... | .... | New York city. |
| | | | | | | | REGIMENT. |
| | | 1 | Col. Henry Brinker .... | ..... | 1st Cavalry.... ... | .... | New York city. |
| | | 3 | Col. John H. Budke .... | ..... | 3d Cavalry ..... | .... | New York city. |
| | | T'p | Capt. John D. Wylie... | ..... | Troop Washington Greys. | .... | New York city. |
| | | | | | | | DIVISION. |
| 2 | .. | .. | John B. Woodward .... | 5, 11 .. | 13, 14, 23, 28, 32, 47, sep. troop cav. 2d div., sep. troop cav. 5th brig., sep. troop cav. 11th brig., batteries A & B, 2d div., howitzer batt'y, 11th brig. | .... | Counties of Kings, Queens and Suffolk. |
| | | .. | Capt. Thomas McCarty, | ..... | Sep. troop cavalry. | | |
| | | | Philip A. Stuber ..... | | Battery A, 2d div. | | |
| | | | John Timmes..... | | Battery B, 2d div. | | |
| | | | | | | | BRIGADE. |
| | 5 | .. | Thomas S. Dakin ..... | ..... | 13, 14, 28, separate troop cav. | ... | Kings county. |
| | | | | | | | REGIMENT. |
| | | 13 | Lieut.-Col. P. H. Briggs. | ..... | ..... | .... | Brooklyn. |
| | | 14 | Col. Wm.H. De Bevoise. | ..... | ..... | .... | Brooklyn. |
| | | 28 | Col. Joseph Burger..... | ..... | ..... | .... | Brooklyn. |

Table of Military Districts—(Continued).

| Division. | Brigade. | Regiment. | NAME OF COMMANDANT. | Includes brigades. | Includes regiments. | Includes number of companies. | Description of districts. |
|---|---|---|---|---|---|---|---|
| | | | Capt. Louis Sandhausen | ..... | Sep. troop cavalry. | .... | Brooklyn. |
| | | | | | | | BRIGADE. |
| | 6 | | Chas. A. Hamilton..... | ..... | No regim'l org'n.. | ... | Counties of Queens and Suffolk. |
| | | | | | | | BRIGADE. |
| | 11 | .. | Jeremiah V. Meserole.. | ..... | 23, 32, 47, sep. troop cavalry & batt'y. | ... | Brooklyn. |
| | | | Capt. John Kreuser .... | ..... | Sep. troop cavalry. | | |
| | | | | | | | REGIMENT. |
| | | 23 | Col. Rodney C. Ward .. | ..... | ..... | .... | Brooklyn. |
| | | 32 | Col. Henry E. Roehr . : | ..... | ..... | .... | Brooklyn. |
| | | 47 | Col. David E. Austen... | ..... | ..... | .... | Brooklyn. |
| | | | Capt. Wm. H. H. Beebe. | ..... | Howitzer battery. | .... | Brooklyn. |
| | | | | | | | DIVISION. |
| 3 | .. | .. | Joseph B. Carr..... | 9, 10, 12, 13. | 10, 24, 25, 83, battalion of artillery and squadron of cavalry. | .... | Counties of Albany, Columbia, Rensselaer, Washington, Saratoga, Schenectady, Fulton, Hamilton and Montgomery. |
| | | | | | | | BRIGADE. |
| | 9 | .. | David M. Woodhall .... | ..... | 10, 25, battery of artillery and sq'n of cavalry. | .... | County of Albany, except West Troy and Green Island. |
| | | | | | | | REGIMENT. |
| | | 10 | Col. Daniel S. Benton.. | ..... | ..... | ... | City of Albany. |
| | | | | | | | REGIMENT. |
| | | 25 | Col. Frederick Andes .. | ..... | ..... | .... | City of Albany. |
| | | | Capt. John Pochin..... | ..... | Battery of artill'y. | .. . | County of Albany. |
| | | | Capt. Geo. Schwarzman | ..... | Squad'n of cavalry. | .... | County of Albany. |
| | | | | | | | BRIGADE. |
| | 10 | .. | Alonzo Alden ..... | ..... | 24 and battery of artillery. | .... | County of Rensselaer, and West Troy and Green Island in Albany county. |
| | | | | | | | REGIMENT. |
| | | 24 | Col. Geo. T. Steenberg. | ... .. | ..... | .... | City of Troy, West Troy and Green Island. |
| | | | Capt. J. Seymour Scott. | ... .. | Battery of artill'y. | .... | City of Troy. |
| | | | | | | | BRIGADE. |
| | 12 | .. | James Gibson..... | ..... | No regimental organization. | .... | Counties of Washington and Saratoga. |
| | | | | | | | BRIGADE. |
| | 13 | .. | Elias A. Brown.... .... | ..... | 83..... | .... | Counties of Montgomery, Fulton, Hamilton and Schenectady. |
| | | | | | | | REGIMENT. |
| | | 83 | Col. Robert Furman.... | ..... | ..... .. | .... | County of Schenectady. |
| | | | | | | | DIVISION. |
| 4 | .. | .. | Tilley R. Pratt ..... | 16.... | 35, 87 batt..... | .... | Counties of Warren, Essex, Clinton, Franklin, St. Lawrence, Jefferson and Lewis. |
| | | | | | | | BRIGADE. |
| | 16 | .. | Bradley Winslow ..... | ..... | 35, 87..... | .... | Counties of Jefferson and Lewis. |
| | | | | | | | REGIMENT. |
| | | 35 | Col. Geo. W. Flower... | ..... | ..... .. | .... | County of Jefferson, south of Black river. |

Table of Military Districts — (Continued).

| Division. | Brigade. | Regiment. | NAME OF COMMANDANT. | Includes brigades. | Includes regiments. | Includes number of companies. | Description of districts. |
|---|---|---|---|---|---|---|---|
| | | 78 | Lt.-Col. S. F. Gorman.. | ..... | ..... | .... | REGIMENT. County of Lewis. |
| 5 | .. | .. | Theodore B. Gates ..... | 7, 8, 17, 18, 19, 22. | 3, 19, 20, 21, 86, 91.. | .... | DIVISION. Counties of Westchester, Putnam, Rockland, Orange, Sullivan, Greene, Ulster, Delaware, Dutchess, Schoharie, Otsego, Chenango, Herkimer and Madison. |
| | 7 | .. | James Ryder... ..... | . .... | 3..... | .... | BRIGADE. Counties of Westchester, Rockland and Putnam. |
| | | 3 | Col. John G. Fay..... | ..... | ..... | .... | REGIMENT. County of Westchester. |
| | 8 | .. | George Beach ..... | ..... | 20, 21, 86..... | .... | BRIGADE. Counties of Dutchess, Greene, Sullivan and Ulster. |
| | | 20 | Col. W. A. Van Rensselaer | ..... | ..... | .... | REGIMENT. County of Ulster. |
| | | 21 | Col. James Smith ..... | ..... | ..... | .... | REGIMENT. County of Dutchess. |
| | | 86 | Lt.-Col. Osmar C. Sage.. | ..... | ..... | .... | REGIMENT. County of Greene. |
| | 17 | .. | Zenas C. Priest..... | ..... | No regimental organization. | .... | BRIGADE. Counties of Otsego and Herkimer. |
| | 18 | .. | Williams Martin..... | ..... | No regimental organization. | .... | BRIGADE. Counties of Delaware and Schoharie. |
| | 19 | .. | Lewis A. Rhodes..... | ..... | 103..... ..... | .... | BRIGADE. Counties of Chenango and Madison. |
| | | 103 | Col. Wm. H. Lamb..... | ..... | ..... ..... | ... | REGIMENT. Chenango county. |
| | 22 | .. | William R. Brown.... . | ..... | 19, 91..... | .... | BRIGADE. County of Orange. |
| | | 19 | Col. Wm. D. Dickey.... | ..... | ... ..... | .... | REGIMENT. First Assembly district of Orange county. |
| | | 91 | Col. John D. Wood .... | ..... | ..... | .... | REGIMENT. Second Assembly district of Orange county. |
| 6 | .. | .. | Henry A. Barnum..... | 21, 23, 24, 28. | 44, 48, 49, 50, 51, 26, 33, battalion cavalry and battalion of artillery. | .... | DIVISION. Counties of Broome, Cayuga, Cortland, Oneida, Onondaga, Oswego, Seneca, Tioga and Tompkins. |
| | 21 | .. | Sylvester Dering..... | ..... | 26 and 33 battalions | .... | BRIGADE. County of Oneida. |
| | | 26 | Major John Peattie..... | ..... | ..... | .... | BATTALION. County of Oneida. |
| | | 33 | Major F. B. Beers..... | ..... | ..... ..... | .... | BATTALION. County of Oneida. |

Table of Military Districts — (Continued).

| Division. | Brigade. | Regiment. | NAME OF COMMANDANT. | Includes brigades. | Includes regiments. | Includes number of companies. | Description of district. |
|---|---|---|---|---|---|---|---|
| | 23 | .. | John H. Chedell | ..... | 49 | . | BRIGADE. Counties of Cayuga and Seneca. |
| | | 49 | Col. C. D. McDougall | ..... | ..... | .... | REGIMENT. 2d Assembly district of Cayuga county. |
| | 24 | .. | John A. Green | ..... | 48, 51, 2d battalion cavalry and battalion of artillery | .... | BRIGADE. Counties of Onondaga and Oswego. |
| | | 48 | Col. Timothy Sullivan | ..... | ..... | .... | REGIMENT. 1st Assembly district of Oswego county. |
| | | 51 | Colonel James Randall | ..... | ..... | .... | REGIMENT. 2d Assembly district of Onondaga. |
| | | | Lt.-Col. J. C. Bennett | ..... | 2d bat. of cavalry. | .... | City of Syracuse. |
| | | | Major Wm. Mitchel | ..... | Battalion of artillery. | .... | Counties of Onondaga and Oswego. |
| | 28 | .. | Henry D. Barto | ..... | 44, 50 | .... | BRIGADE. Counties of Tompkins, Tioga, Broome and Cortland. |
| | | 44 | Col. Jacob C. Robie | ..... | ..... | .... | REGIMENT. County of Broome. |
| | | 50 | Col. J. Demotte Smith | ..... | ..... | .... | REGIMENT. County of Tompkins. |
| | | | Capt. Wm. M. Crosby | ..... | Battery of artillery. | .... | |
| 7 | .. | .. | John Williams | 20, 25.. | 54, 106, 110 and battalion artillery. | .... | DIVISION. Counties of Chemung, Schuyler, Steuben, Yates, Ontario, Wayne, Monroe and Livingst'n |
| | 20 | .. | Jacob H. Lansing | ..... | 106, 110 | .... | BRIGADE. Counties of Chemung, Schuyler and Steuben. |
| | | 106 | Col. Henry Baldwin | ..... | ..... | .... | REGIMENT. County of Steuben. |
| | | 110 | Col. Wm. M. Gregg | ..... | ..... | .... | REGIMENT. County of Chemung. |
| | 25 | . | Charles H. Clark | ..... | 54 and battalion of artillery. | .... | BRIGADE. Counties of Monroe, Livingston, Ontario, Wayne and Yates. |
| | | 54 | Lt.-Col. W. Westcott | ..... | ..... | .... | REGIMENT. 2d Assembly district of Monroe county. |
| | | | Major Jos. Ebelding | ..... | Battalion of artillery. | .... | City of Rochester. |
| 8 | .. | .. | Rufus L. Howard | 31, 32.. | 65, 74 | ... | DIVISION. Counties of Allegany, Cattaraugus, Chautauqua, Wyoming, Erie, Genesee, Orleans and Niagara. |
| | 31 | .. | Wm. F. Rogers | ..... | 65, 74 | .... | BRIGADE. Counties of Erie and Wyoming. |

Table of Military Districts — (Continued).

| Division. | Brigade. | Regiment. | NAME OF COMMANDANT. | Includes brigades. | Includes regiments. | Includes number of companies. | Description of district. |
|---|---|---|---|---|---|---|---|
| | | 65 | Col. Richard Flack..... | ..... | ..... ..... | .... | REGIMENT. 1st Assembly district of Erie county. |
| | | 74 | Col. Charles J. Wing... | ..... | ..... | .... | REGIMENT. 2d Assembly district of Erie county. |
| | 32 | .. | Andrew W. Brazee .... | ..... | No regimental organization. | .... | BRIGADE. Counties of Genesee, Orleans and Niagara. |

(H.)

# LIST

OF

## COMMISSIONS ISSUED DURING THE YEAR 1871.

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Ames, Homer M | First Lieutenant | 48th regiment | Feb. 11, 1871 |
| Arnold, De Witt C | Assistant Commissary | 71st regiment | Feb. 17, 1871 |
| Arnold, Edmund S. F | Surgeon | 3d regiment | Mar. 3, 1871 |
| Atkinson, William | Major | 84th regiment | Mar. 22, 1871 |
| Allen, Geo. D | Second Leiutenant | 13th regiment | April 14, 1871 |
| Alting, Gustav | First Lieutenant | 55th regiment | Oct. 3, 1871 |
| Andes, Elias F. F | First Leiutenant | 25th regiment | Oct. 19, 1871 |
| Arnold, David P | Quartermaster | 8th regiment | Oct. 26, 1871 |
| Archbold, Ralph | Second Lieutenant | 84th regiment | Nov. 10, 1871 |
| Allewell, Henry C | Lieutenant-Colonel | 51st regiment | Dec. 16, 1871 |
| Benjamin, Eastburn | Chaplain | 71st regiment | Jan. 14, 1871 |
| Balch, Lewis | Assistant Surgeon | 71st regiment | Jan. 14, 1871 |
| Bruns, Wm. D | Adjutant | 1st cavalry | Feb. 1, 1871 |
| Britton, Israel C | Veterinary Surgeon | 2d battalion, cavalry | Feb. 8, 1871 |
| Brash, Adam F | Second Lieutenant | 54th regiment | Feb. 11, 1871 |
| Bissett, Thomas M | First Lieutenant | 23d regiment | Feb. 13, 1871 |
| Britton, Israel E | Assistant Commissary | 2d battalion, cavalry | Feb. 27, 1871 |
| Blanchard, Benjamin W | Assistant Commissary | 9th regiment | Feb. 27, 1871 |
| Begey, Geo. A | Adjutant | 54th regiment | Mar. 1, 1871 |
| Becker, Adam | Second Lieutenant | 1st cavalry | Mar. 8, 1871 |
| Brown, David | Aide-de-camp | 19th regiment | Mar. 9, 1871 |
| Barnes, Ambrose E | First Lieutenant | 47th regiment | Mar. 22, 1871 |
| Baker, John | Second Lieutenant | 1st cavalry | Mar. 24, 1871 |
| Bossert, Louis | Captain | 32d regiment | Mar. 25, 1871 |
| Bird, Edward O | Captain | 7th regiment | April 5, 1871 |
| Brangham, Wm. H | Second Lieutenant | 83d regiment | April 7, 1871 |
| Bogert, Wm. P | First Lieutenant | 22d regiment | April 10, 1871 |
| Burgeman, John | Captain | 65th regiment | April 11, 1871 |
| Bancroft, Sam'l B | Captain | 65th regiment | April 11, 1871 |
| Bielman, Anthony | First Lieutenant | 65th regiment | April 11, 1871 |
| Brennan, Dudley W | First Lieutenant | 14th regiment | April 19, 1871 |
| Burrowes, John | First Lieutenant | 84th regiment | April 20, 1871 |
| Brown, Chas. R | Captain | 44th regiment | April 29, 1871 |
| Brown, David S | Lieutenant-Colonel | 22d regiment | May 2, 1871 |
| Baumgross, William | Quartermaster | Artillery, 24th brigade | May 4, 1871 |
| Bunker, Wm. R | Assistant Adjutant-General | 11th brigade | May 13, 1871 |
| Butterfield, Chas | Second Lieutenant | 84th regiment | May 19, 1871 |
| Brandis, Wm | First Lieutenant | 5th regiment | May 19, 1871 |
| Bough, Michael T | Second Lieutenant | 48th regiment | May 31, 1871 |
| Bacon, Alonzo P | First Lieutenant | 9th regiment | June 2, 1871 |
| Burkhardt, Wm. E | Captain | 3d cavalry | June 21, 1871 |
| Briggs, John | Captain | 22d regiment | June 29, 1871 |
| Boyd, Alexander | Second Lieutenant | 84th regiment | June 29, 1871 |
| Boylan, James J | Second Lieutenant | 13th regiment | July 14, 1871 |
| Bryan, James | First Lieutenant | 8th regiment | July 31, 1871 |
| Boyd, Edwin H | Assistant Surgeon | 48th regiment | Sept. 7, 1871 |
| Burgess, John | First Lieutenant | 54th regiment | Sept. 7, 1871 |
| Boughton, Wm. C | First Lieutenant | 3d regiment | Sept. 20, 1871 |
| Bradburn, Samuel L | Second Lieutenant | 49th regiment | Sept. 21, 1871 |
| Bradstreet, Everett C | Captain | 54th regiment | Sept. 26, 1871 |
| Bruns, Wm. D | Aide-de-camp | 2d brigade | Sept. 27, 1871 |
| Benton, Daniel S | Colonel | 10th regiment | Oct. 10, 1871 |
| Bergen, John H | Judge Advocate | 5th brigade | Oct. 10, 1871 |
| Brash, Adam F | First Lieutenant | 54th regiment | Oct. 10, 1871 |
| Beebe, Munson H | Second Lieutenant | Artillery, 11th brigade | Oct. 18, 1871 |
| Brickner, Andrew | Second Lieutenant | 25th regiment | Oct. 19, 1871 |
| Burn, John | Lieutenant-Colonel | 10th regiment | Oct. 27, 1871 |
| Baird, Alexander L | Second Lieutenant | 79th battallion | Oct. 18, 1871 |
| Beckwith, Wm. H | Second Lieutenant | 22d regiment | Oct. 2, 1871 |
| Betts, Gerard | Captain | 71st regiment | Aug. 24, 1871 |
| Buchman, William | Captain | 96th regiment | Sept. 29, 1871 |
| Burkhardt, Nicholas | Second Lieutenant | 96th regiment | Sept. 29, 1871 |

List of Commissions Issued — (Continued).

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Bailey, James S. | Surgeon | 10th regiment | Nov. 18, 1871 |
| Bendleben, Adolph | First Lieutenant | 96th regiment | Nov. 15, 1871 |
| Boylan, James J | First Lieutenant | 13th regiment | Sept. 15, 1871 |
| Benton, Geo. H. | Second Lieutenant | 23d regiment | Dec. 5, 1871 |
| Bernholdt, Frederick | Captain | 3d cavalry | Sept. 28, 1871 |
| Bucher, Jacob | Second Lieutenant | 3d infantry | Dec. 4, 1817 |
| Carg, Isaac H | First Lieutenant | 23d regiment | Jan. 14, 1871 |
| Cartwright, Geo. | First Lieutenant | 84th regiment | Jan. 25, 1871 |
| Cordes, Henry | Veterinary Surgeon | 1st cavalry | Feb. 1, 1871 |
| Cone, James B. | Second Lieutenant | Battery G, 1st division | Feb. 13, 1871 |
| Collyer, Henry M | Captain | 1st cavalry | Feb. 21, 1871 |
| Cable, Robert B. | Captain | 9th regiment | Feb. 27, 1871 |
| Clark, Frank M. | Captain | 1st regiment | March 22, 1871 |
| Coit, Franklyn | First Lieutenant | 13th regiment | April 8, 1871 |
| Colfax, Albert E | Captain | 22d regiment | April 10, 1871 |
| Clary, Orlando W | Second Lieutenant | Cavalry, 24th brigade | April 14, 1871 |
| Crane, Harold L. | Aide-de-Camp | 11th brigade | May 13, 1871 |
| Cornish, John | First Lieutenant | 84th regiment | May 16, 1871 |
| Corse, Augustus P. | Aide-de-Camp | 3d division | May 31, 1871 |
| Cardoze, Emil | Second Lieutenant | 71st regiment | June 2, 1871 |
| Carl, John | Captain | 3d cavalry | June 21, 1871 |
| Coyle, James H. | First Lieutenant | 10th regiment | June 21, 1871 |
| Campbell, James A. | First Lieutenant | 74th regiment | July 29, 1871 |
| Chase, Geo. W. | Quartermaster | Cavalry, 24th brigade | August 9, 1871 |
| Conloy, Joseph | First Lieutenant | 79th regiment | Sept. 6, 1871 |
| Cypher, Geo. D. | Second Lieutenant | 3d regiment | Sept. 7, 1871 |
| Cobb, Henry C. | Second Lieutenant | 49th regiment | Sept. 21, 1871 |
| Cape, Martin A. | First Lieutenant | 3d cavalry | Sept. 30, 1871 |
| Campbell, Samuel R. | First Lieutenant | 54th regiment | Oct. 3, 1871 |
| Colgate, Josiah S. | Ordnance Officer | 5th brigade | Oct. 10, 1871 |
| Coakley, Michael J. | Second Lieutenant | 54th regiment | Oct. 10, 1871 |
| Campbell, Melanchton W. | Surgeon | 24th regiment | Oct. 16, 1871 |
| Charpiot, Eugene | Second Lieutenant | 5th regiment | Oct. 26, 1871 |
| Cornell, Douglas S. | Judge-Advocate | 31st brigade | Nov. 1, 1871 |
| Croall, Alexander | Captain | 79th battalion | Oct. 12, 1871 |
| Clark, Chas. G. | Assistant Surgeon | 24th regiment | Oct. 12, 1871 |
| Conlon, James | Captain | 69th regiment | Aug. 29, 1871 |
| Creamer, Joseph N. | First Lieutenant | 47th regiment | Oct. 19, 1871 |
| Deecken, John C. F. | Assistant Commissary | 5th regiment | Jan. 31, 1871 |
| Dunning, David M. | Aide-de-Camp | 23d brigade | Jan. 31, 1871 |
| Duggan, Barnard. | Second Lieutenant | 74th regiment | Feb. 13, 1871 |
| Dawson, B. F. | Surgeon | 6th regiment | March 6, 1871 |
| Demong, John | Chief of Artillery | 6th division | March 7, 1871 |
| De Barry, James J. | Second Lieutenant | 9th regiment | March 9, 1871 |
| Davenport, Joseph P. | Captain | 8th regiment | March 22, 1871 |
| Davenport, John R. | First Lieutenant | 71st regiment | March 24, 1871 |
| Dillmayer, John A. | First Lieutenant | 32d regiment | March 25, 1871 |
| Daggert, Byron H. | Assistant Surgeon | 74th regiment | April 1, 1871 |
| Day, Richard C. | Captain | Cavalry, 24th brigade | April 14, 1871 |
| Dominick, Gayer Wm. | Second Lieutenant | 7th regiment | May 15, 1871 |
| Dempsey, Thomas | Lieutenant-Colonel | 69th regiment | July 26, 1871 |
| Davis, Franklin B. | Second Lieutenant | 3d regiment | Sept. 20, 1871 |
| Day, Warren E. | Surgeon | 26th regiment | Oct. 9, 1871 |
| Des Marets, Ernest A. | Captain | 71st regiment | Oct. 17, 1871 |
| Diehl, John | Second Lieutenant | 25th regiment | Oct. 19, 1871 |
| Devon, Wm. A. | Captain | 79th battalion | Oct. 13, 1871 |
| Douglas, Henry B | Second Lieutenant | 84th regiment | Sept. 29, 1871 |
| Dunning, Wilmot M. | Second Lieutenant | 22d regiment | Oct. 11, 1871 |
| Dodge, Andrew | Quartermaster | 20th regiment | Jan. 1, 1871 |
| Dow, Wm. C. | Captain | 71st regiment | Nov. 10, 1871 |
| Dodds, Cornelius L. | Captain | 54th regiment | Nov. 27, 1871 |
| Dingee, John | Second Lieutenant | 21st regiment | Dec. 8, 1871 |
| Davis, Geo. T. | Second Lieutenant | 3d regiment | Dec. 7, 1871 |
| Evans, Lewis M. | Major | 74th regiment | Feb. 27, 1871 |
| Eble, Geo. J. | Second Lieutenant | 1st cavalry | March 8, 1871 |
| Englert, Michael | Second Lieutenant | 54th regiment | May 5, 1871 |
| Evans, Lewis M. | Lieutenant-Colonel | 74th regiment | July 22, 1871 |
| Ellis, Levi | First Lieutenant | 21st regiment | Oct. 26, 1871 |
| Endriss, John C. | First Lieutenant | 11th regiment | June 28, 1871 |
| Erbelding, Joseph | Major | Artillery, 25th brigade | Nov. 21, 1871 |
| Francis, Augustus T. | Adjutant | 71st regiment | Jan. 14, 1871 |
| Frederick, Conrad | Second Lieutenant | 3d regiment | Jan. 25, 1871 |
| Fales, Frank H | First Lieutenant | 24th regiment | Jan. 28, 1871 |
| Fagan, Thomas J | Captain | 14th regiment | March 2, 1871 |
| Ferry, Darius, Jr. | Second Lieutenant | 7th regiment | March 3, 1871 |
| Fowler, Edward S. | Ordnance Officer | 22d brigade | March 9, 1871 |
| Fitzgerald, Patrick J. | Captain | 24th regiment | March 17, 1871 |
| Fielding, Geo. T. | First Lieutenant | 8th regiment | March 22, 1871 |
| Fisher, Louis | First Lieutenant | 6th regiment | April 7, 1871 |
| Fullerton, John | Captain | 84th regiment | April 20, 1871 |

List of Commissions Issued — (Continued).

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Finney, Olin S. | Second Lieutenant | 44th regiment | April 29, 1871 |
| Francoise, Emile D | Second Lieutenant | 1st regiment | June 2, 1871 |
| Fonda, Henry | Second Lieutenant | 83d regiment | June 23, 1871 |
| Fish, Chas. H | Assistant Commissary | 28th brigade | July 26, 1871 |
| Fuller, Leslie | Captain | 83d regiment | July 31, 1871 |
| Funk, Augustus | Brigadier-General | 2d brigade | Sept. 6, 1871 |
| Fackner, Edward | First Lieutenant | 12th regiment | Sept. 26, 1871 |
| Flannery, Timothy J. | Captain | 69th regiment | Sept. 26, 1871 |
| Frech, August F. | Surgeon | 2d brigade | Sept. 27, 1871 |
| Fellows, John R. | Judge-Advocate | 2d brigade | Sept. 27, 1871 |
| French, John H. | Aide-de-Camp | 2d brigade | Sept. 27, 1871 |
| Frohlich, Frank | First Lieutenant | 25th regiment | Oct. 19, 1871 |
| Fleming, Walter M | Surgeon | 3d brigade | Oct. 26, 1871 |
| Flagg, Edward O. | Chaplain | 9th regiment | Oct. 26, 1871 |
| Felter, Edward P | Second Lieutenant | 21st regiment | Oct. 26, 1871 |
| Fitch, Wm. E | First Lieutenant | 10th regiment | Sept. 28, 1871 |
| Fisher, Anthony | Captain | 1st cavalry | Nov. 7, 1871 |
| Felter, Edward P | First Lieutenant | 21st infantry | Dec. 8, 1871 |
| Georgi, Adolph E. | Quartermaster | 11th regiment | Feb. 1, 1871 |
| Gregory, Franklin B | Second Lieutenant | 48th regiment | Feb. 11, 1871 |
| Gault, James A | Lieutenant-Colonel | 74th regiment | Feb. 27, 1871 |
| Goettel, Abraham | First Lieutenant | 51st regiment | March 3, 1871 |
| Gebhard, Frederick | First Lieutenant | 55th regiment | April 5, 1871 |
| Gahagan, Henry V. | Second Lieutenant | 13th regiment | April 14, 1871 |
| Goodwin, Frederick A | Second Lieutenant | 7th regiment | May 17, 1871 |
| Greenebaum, Assor | Second Lieutenant | 6th regiment | May 19, 1871 |
| Gray, Geo. W | Second Lieutenant | 10th regiment | May 31, 1871 |
| Gamble, Henry G | Captain | 25th regiment | June 21, 1871 |
| Green, Albert H | First Lieutenant | Artillery, 10th brigade | July 21, 1871 |
| Goggin, Frederick T. | Adjutant | 69th regiment | July 22, 1871 |
| Gilcoyne, Thomas J. | Second Lieutenant | 44th regiment | Sept. 6, 1871 |
| Groh, Frank | Second Lieutenant | 54th regiment | Sept. 26, 1871 |
| Guile, Wm. R | Adjutant | 103d regiment | Oct. 3, 1871 |
| Groux, Eugene | Assistant Surgeon | 28th regiment | Oct. 16, 1871 |
| Gardner, Bernard C | First Lieutenant | 10th regiment | Oct. 19, 1871 |
| Gould, John | Judge-Advocate | 9th brigade | Nov. 1, 1871 |
| Gamble, Chas. F | First Lieutenant | 22d regiment | Oct. 2, 1871 |
| Gross, Robert | Second Lieutenant | 11th regiment | June 28, 1871 |
| Grammer, William | Captain | 25th regiment | Sept. 23, 1871 |
| Goodrich, William W. | Quartermaster | 5th brigade | Dec. 18, 1871 |
| Goater, Edward A. | Second Lieutenant | 13th regiment | Sept. 15, 1871 |
| Gould, Charles | Aide-de-Camp | 9th brigade | Dec. 18, 1871 |
| Higginbotham, Edw. G. | Surgeon | 71st regiment | Jan. 14, 1871 |
| Houghton, Francis W. | First Lieutenant | 7th regiment | Jan. 31, 1871 |
| Heizman, Charles | First Lieutenant | 12th regiment | Feb. 1, 1871 |
| Huntington, Edwin L. | Captain | 48th regiment | Feb. 11, 1871 |
| Hunter, James | Captain | 84th regiment | Feb. 17, 1871 |
| Henderson, William | Second Lieutenant | 84th regiment | Feb. 17, 1871 |
| Herrman, Adolph | Captain | 1st cavalry | Feb. 21, 1871 |
| Herron, Hugh H | First Lieutenant | 48th regiment | March 8, 1871 |
| Hallen, Louis | Major | 5th regiment | March 14, 1871 |
| Heathcote, Wm. H | Captain | 8th regiment | April 7, 1871 |
| Hermes, John M | Second Lieutenant | 6th regiment | April 7, 1871 |
| Hull, Elias L. | Captain | 13th regiment | April 8, 1871 |
| Haberere, John A | Captain | 51st regiment | April 8, 1871 |
| Heintz, John J., Jr | Second Lieutenant | 12th regiment | April 10, 1871 |
| Helmlund, John | Second Lieutenant | 65th regiment | April 11, 1871 |
| Henderson, Henry B. | Major | 54th regiment | April 15, 1871 |
| Hull, Robert E | First Lieutenant | 14th regiment | April 19, 1871 |
| Hussey, Geo. A | First Lieutenant | 9th regiment | April 21, 1871 |
| Huss, Henry | Captain | 3d regiment | May 2, 1871 |
| Hesse, Anthony F. | Second Lieutenant | 28th regiment | May 4, 1871 |
| Hausner, Chas. W. | First Lieutenant | Artillery, 28th brigade | May 15, 1871 |
| Hillabrane, George | Second Lieutenant | Battery K, 1st division | May 15, 1871 |
| Hyde, Benjamin | First Lieutenant | Battery C, 1st division | May 15, 1871 |
| Heil, Geo. F | First Lieutenant | 1st regiment | May 17, 1871 |
| Hoyt, Edward D | Second Lieutenant | 19th regiment | June 2, 1871 |
| Hirsch, Gottlieb | Second Lieutenant | 51st regiment | June 21, 1871 |
| Handy, Isaac F | Aide-de-Camp | 3d division | June 29, 1871 |
| Hillyer, Ezekiel | First Lieutenant | 83d regiment | July 31, 1871 |
| Harley, Henry | Commissary | 9th regiment | Aug. 5, 1871 |
| Hutchinson, Edwin | Surgeon | 21st brigade | Aug. 23, 1871 |
| Hasbrouck, David S. | Adjutant | 20th regiment | Sept. 8, 1871 |
| Haubennestel, Louis | Second Lieutenant | 21st regiment | Sept. 8, 1871 |
| Heerdt, William, Jr. | Second Lieutenant | 47th regiment | Sept. 22, 1871 |
| Hermes, John M | Captain | 6th regiment | Sept. 30, 1871 |
| Head, Wm. H | First Lieutenant | 84th regiment | Sept. 29, 1871 |
| Hassler, Henry | Adjutant | 47th regiment | Nov. 13, 1871 |
| Herd, Nicholas | Second Lieutenant | 3d regiment | Oct. 2, 1871 |
| Hasbrouck, Willett L. | Captain | 20th regiment | Oct. 9, 1871 |

List of Commissions Issued—(Continued).

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Hecker, Joseph | First Lieutenant | Cavalry, 24th brigade | Nov. 27, 1871 |
| Hoffman, Henry | First Lieutenant | 25th regiment | Nov. 10, 1871 |
| Hughes, Thomas D | First Lieutenant | 79th battalion | Nov. 7, 1871 |
| Iyring, Jacob | Captain | 65th regiment | April 11, 1871 |
| Judson, David H | Assistant Commissary | 48th regiment | March 21, 1871 |
| Jennings, Oscar S | Second Lieutenant | Artillery, 28th brigade | May 15, 1871 |
| Jones, Abraham | Captain | 3d regiment | May 19, 1871 |
| Jacobs, Isaac B | Second Lieutenant | 23d regiment | Oct. 26, 1871 |
| Johns, John T | Second Lieutenant | 10th regiment | Sept. 28, 1871 |
| Joslin, James T | Adjutant | 19th regiment | Sept. 13, 1871 |
| Jones, Melvin | First Lieutenant | 26th battalion | Dec. 11, 1871 |
| Jones, John H | Adjutant | 26th battalion | Nov. 1, 1871 |
| Koerner, August | First Lieutenant | 28th regiment | March 17, 1871 |
| Koechling, Hugh R. F | First Lieutenant | 12th regiment | March 24, 1871 |
| Karcher, Fred'k J | Major | 32d regiment | April 14, 1871 |
| Kirby, Wm. H., Jr | Second Lieutenant | 12th regiment | May 2, 1871 |
| Koebler, Herman | Second Lieutenant | 5th regiment | May 16, 1871 |
| Kerr, James | Captain | 84th regiment | May 16, 1871 |
| Koss, Charles | Captain | 5th regiment | May 16, 1871 |
| Kenyon, Lauren C | Second Lieutenant | Cavalry, 24th brigade | May 31, 1871 |
| Keith, Wm. D | Second Lieutenant | 24th regiment | June 11, 1871 |
| Knapp, Henry M | Second Lieutenant | 22d regiment | June 29, 1871 |
| King, Wm. H | Captain | 47th regiment | July 14, 1871 |
| Kernochan, Robert | Captain | 19th regiment | Sept. 26, 1871 |
| King, John C | Second Lieutenant | 54th regiment | Oct. 3, 1871 |
| Koehler, Herman | First Lieutenant | 5th regiment | Oct. 26, 1871 |
| Keegan, Michael | Second Lieutenant | 69th regiment | Aug. 29, 1871 |
| Kelly, John W | Judge-Advocate | 7th division | Nov. 10, 1871 |
| Lyon, James | Commissary of Subsistence | 23d regiment | Jan. 31, 1871 |
| Lauer, Fred'k C., Jr | Captain | 54th regiment | Feb. 11, 1871 |
| Lyth, Alfred | First Lieutenant | 74th regiment | Feb. 13, 1871 |
| Lyon, Robert P | Captain | 23d regiment | Feb. 13, 1871 |
| Luckey, Livingston R | Adjutant | 1st regiment | April 7, 1871 |
| Lutz, Christopher | Captain | 32d regiment | April 14, 1871 |
| Livingston, Theodore | Inspector | 11th brigade | May 13, 1871 |
| Lechtrecker, John | First Lieutenant | 1st regiment | May 17, 1871 |
| Loeser, John G | First Lieutenant | 3d cavalry | June 21, 1871 |
| Lindsey, Henry | Captain | 83d regiment | June 23, 1871 |
| Loewenstein, Henry | Assistant Surgeon | 32d regiment | June 29, 1871 |
| Leonard, Geo. W | Quartermaster | 22d brigade | July 29, 1871 |
| Leemon, John B | First Lieutenant | 91st regiment | July 29, 1871 |
| Lohmeyer, Henry | Second Lieutenant | 83d regiment | July 31, 1871 |
| Lee, Joseph, Jr | Aide-de-Camp | 5th brigade | Aug. 23, 1871 |
| Lamp, Michael H | Adjutant | 83d regiment | Sept. 22, 1871 |
| Laul, Nicholas | Captain | 32d regiment | Sept. 22, 1871 |
| Littlefield, Henry C | Quartermaster | 9th brigade | Nov. 20, 1871 |
| Lambert, Fred'k | Captain | 3d regiment | Oct. 2, 1871 |
| Leddy, John | First Lieutenant | 69th regiment | Nov. 16, 1871 |
| Lowe, John C | Second Lieutenant | 65th regiment | Nov. 21, 1871 |
| Loomis, Edwin J | Colonel | 103d regiment | Dec. 9, 1871 |
| Loewenstein, Henry | Surgeon | 32d regiment | Oct. 2, 1871 |
| Macklin, Newton John | Second Lieutenant | 84th regiment | Jan. 25, 1871 |
| Michaels, Herman | Captain | 51st regiment | Jan. 27, 1871 |
| Marshall, William | First Lieutenant | 1st regiment | Jan. 31, 1871 |
| Morgan, George, Jr | Captain | 74th regiment | Feb. 13, 1871 |
| Moore, Wm. M | Second Lieutenant | 23d regiment | Feb. 13, 1871 |
| McLer, James | Lieutenant-Colonel | 14th regiment | Feb. 14, 1871 |
| McDonnell, Martin | Captain | 69th regiment | Feb. 20, 1871 |
| McElroy, Wm. G | First Lieutenant | 69th regiment | Feb. 20, 1871 |
| Moore, Frederick J | Surgeon | 13th regiment | March 3, 1871 |
| Moore, Bartholomew B | First Lieutenant | 19th regiment | March 9, 1871 |
| Meichel, Wm | Major | Artillery, 24th brigade | April 6, 1871 |
| McGraw, Patrick | First Lieutenant | 10th regiment | April 7, 1871 |
| Miller, George | Second Lieutenant | 32d regiment | April 14, 1871 |
| McCandless, James | Second Lieutenant | 84th regiment | April 20, 1871 |
| Marz, Joseph | First Lieutenant | 3d regiment | May 2, 1871 |
| McGrath, Wm. J. A | Major | 22d regiment | May 2, 1871 |
| Meichel, Florence | Second Lieutenant | Artillery, 24th brigade | May 4, 1871 |
| Miller, August | Adjutant | Artillery, 24th brigade | May 4, 1871 |
| Mullens, John W | Captain | 10th regiment | May 31, 1871 |
| Marlett, Geo. W | Major | 83d regiment | May 31, 1871 |
| Mulligan, James A | Second Lieutenant | 9th regiment | June 2, 1871 |
| Macdonald, Peter | Captain | 84th regiment | June 21, 1871 |
| Marquisse, Ami | Adjutant | 51st regiment | June 21, 1871 |
| Morse, Lester | First Lieutenant | 83d regiment | June 23, 1871 |
| Merritt, John | First Lieutenant | 23d regiment | July 14, 1871 |
| Marshall, John W | First Lieutenant | 23d regiment | July 14, 1871 |
| Millard, E. W | Second Lieutenant | Artillery, 10th brigade | July 21, 1871 |
| Martin, John C | First Lieutenant | Artillery, 25th brigade | Aug. 5, 1871 |
| Montfort, R. V. K | Surgeon | 19th regiment | Aug. 23, 1871 |

List of Commissions Issued — (Continued).

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Martin, Peter J | Captain | 1st regiment | Sept. 6, 1871 |
| Mallilieu, George | First Lieutenant | 49th regiment | Sept. 21, 1871 |
| Moak, Jacob J | First Lieutenant | 49th regiment | Sept. 21, 1871 |
| Morgan, Richard | Quartermaster | 49th regiment | Sept. 21, 1871 |
| Maseman, Conrad H | Second Lieutenant | 6th regiment | Sept. 30, 1871 |
| Morris, Moreau | Surgeon | 7th regiment | Oct. 3, 1871 |
| Miles, John W., Jr | First Lieutenant | 13th regiment | Oct. 10, 1871 |
| Moenich, John | First Lieutenant | 25th regiment | Oct. 19, 1871 |
| Martin, Frederick T | Inspector | 9th brigade | Nov. 1, 1871 |
| Morris, Aaron Ward | Aide-de-Camp | 7th brigade | Oct. 2, 1871 |
| Manson, William | First Lieutenant | 79th battalion | Oct. 18, 1871 |
| Mulligan, Edward E | Second Lieutenant | 8th regiment | Feb. 17, 1871 |
| Mulligan, Henry S | First Lieutenant | 74th regiment | Oct. 11, 1871 |
| Mohrmann, Henry A | First Lieutenant | Troop cav. 2d division | Nov. 22, 1871 |
| Metchele, Werner | Second Lieutenant | 1st cavalry | Nov. 27, 1871 |
| Mix, Eugene | Second Lieutenant | 1st infantry | Nov. 21, 1871 |
| Muckenhough, Louis | Captain | 21st infantry | Dec. 4, 1871 |
| Muckenhough, John | First Lieutenant | 21st infantry | Dec. 4, 1871 |
| Messerschmidt, Charles | Second Lieutenant | 21st infantry | Dec. 4, 1871 |
| Mason, Frederick A | Assistant Adjutant-General | 5th brigade | Dec. 18, 1871 |
| Michels, Herman | Major | 51st regiment | Dec. 16, 1871 |
| Norton Louis | Second Lieutenant | 10th regiment | April 7, 1871 |
| Nagel Louis | Captain | 74th regiment | April 11, 1871 |
| Newcomb, Albert S | Surgeon | 24th regiment | April 11, 1871 |
| Neef, Jacob F | Chaplain | 25th regiment | May 4, 1871 |
| Nichols, Deforest J | Assistant Surgeon | 19th battalion | Aug. 23, 1871 |
| Near, Alexander | Captain | 21st regiment | Sept. 6, 1871 |
| Nolton, Hiram G | Quartermaster | 74th regiment | Sept. 7, 1871 |
| Norman, Geo. A. J | Adjutant | 71st regiment | Sept. 8, 1871 |
| Norton, James A | Second Lieutenant | 26th battalion | Oct. 9, 1871 |
| Norval, James | Surgeon | 79th battalion | Oct. 26, 1871 |
| O'Neal, Wm. H | Captain | 84th regiment | Jan. 25, 1871 |
| O'Neil, Daniel | Captain | 54th regiment | Jan. 28, 1871 |
| Otto, Hugo M | Second Lieutenant | 1st regiment | Jan. 31, 1871 |
| Owens, Frank | Captain | 49th regiment | Feb. 10, 1871 |
| Orton, George E | Lieutenant-Colonel | 47th regiment | April 14, 1871 |
| O'Brian, John | Captain | 74th regiment | July 29, 1871 |
| Oatley, Jered M | Aide-de-Camp | 21st brigade | Oct. 18, 1871 |
| O'Bierne, James R | Quartermaster | 1st division | Oct. 26, 1871 |
| Obernier, Frederick W | Lieutenant-Colonel | 28th regiment | Dec. 6, 1871 |
| Partridge, John N | Major | 23d regiment | Jan. 14, 1871 |
| Ploeger, Louis | First Lieutenant | 5th regiment | March 3, 1871 |
| Pendleton, Edward N | Surgeon | 47th regiment | March 14, 1871 |
| Powell, Wm. J | Second Lieutenant | 47th regiment | March 22, 1871 |
| Phelps, Wm. C | Surgeon | 74th regiment | April 1, 1871 |
| Palm, Adam, Jr | Second Lieutenant | 3d regiment | May 2, 1871 |
| Perry, John C | Lieutenant-Colonel | 83d regiment | May 18, 1871 |
| Pettis, William | Captain | 24th regiment | June 22, 1871 |
| Page, George S | First Lieutenant | 24th regiment | June 22, 1871 |
| Palfrey, George W | Second Lieutenant | 9th regiment | June 29, 1871 |
| Peattie, John | Major | 26th battalion | July 31, 1871 |
| Pearson, William | Second Lieutenant | 79th battalion | Sept. 6, 1871 |
| Pake, John H | Adjutant | 55th regiment | Sept. 6, 1871 |
| Pettit, James F | Adjutant | 44th regiment | Oct. 3, 1871 |
| Ploeger, Louis | Captain | 5th regiment | Oct. 26, 1871 |
| Pine, Charles T | First Lieutenant | 79th battalion | Oct. 13, 1871 |
| Pape, Albin Gustave | Adjutant | 28th regiment | Nov. 1, 1871 |
| Paine, John | First Lieutenant | Battery A, 2d division | Dec. 5, 1871 |
| Powell, William J | First Lieutenant | 47th regiment | Nov. 17, 1871 |
| Raymond, Lynch T | Quartermaster | 71st regiment | Jan. 14, 1871 |
| Robertson, Edward G | Second Lieutenant | 23d regiment | Jan. 14, 1871 |
| Rodenburg, Frank H | First Lieutenant | 96th regiment | Jan. 25, 1871 |
| Roos, Henry P | Second Lieutenant | 25th regiment | Jan. 27, 1871 |
| Raynor, Charles H | Assistant Commissary | 6th regiment | Jan. 31, 1871 |
| Rowland, Edward S | First Lieutenant | 9th regiment | Feb. 27, 1871 |
| Reinfeldt, Christopher | Captain | 54th regiment | March 1, 1871 |
| Robbins, Charles F | First Lieutenant | 7th regiment | March 3, 1871 |
| Roos, Henry P | Second Lieutenant | 25th regiment | April 7, 1871 |
| Rupp, Charles A | Second Lieutenant | 65th regiment | April 11, 1871 |
| Rings, Albert H | Second Lieutenant | 65th regiment | April 11, 1871 |
| Roehr, Henry E | Colonel | 32d regiment | April 14, 1871 |
| Rueger John | Lieutenant-Colonel | 32d regiment | April 14, 1871 |
| Robbins, Russell H | Ordnance Officer | 3d brigade | April 29, 1871 |
| Reinhardt, Peter | First Lieutenant | 54th regiment | June 21, 1871 |
| Renner, Jacob | Second Lieutenant | 54th regiment | June 21, 1871 |
| Richard, George | First Lieutenant | 3d cavalry | June 21, 1871 |
| Rodney, Frank W | Second Lieutenant | 74th regiment | June 29, 1871 |
| Rousseau, Wm. A | Quartermaster | 24th regiment | July 22, 1871 |
| Regan, Wm. H | Second Lieutenant | 8th regiment | July 31, 1871 |
| Richers, Henry | Quartermaster | 1st cavalry | Sept. 22, 1871 |

List of Commissions Issued — (Continued.)

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Roll, William | Second Lieutenant | 55th regiment | Sept. 26, 1871 |
| Roberts, Chas. F. | Assistant Surgeon | 22d regiment | Sept. 29, 1871 |
| Rinkhoff, Wm. P. | Second Lieutenant | 5th regiment | Sept. 30, 1871 |
| Robbins, Rowland A. | Quartermaster | 22d regiment | Sept. 18, 1871 |
| Robertson, Edward G. | First Lieutenant | 23d regiment | Oct. 26, 1871 |
| Rogers, Edward K. | Major | 10th regiment | Oct. 27, 1871 |
| Rich, Barrett G. | Aide-de-Camp | 31st brigade | Nov. 1, 1871 |
| Roseland, Henry | Second Lieutenant | Troop cav., 2d division | Nov. 22, 1871 |
| Ranges, Dederick | Second Lieutenant | 3d cavalry | Nov. 14, 1871 |
| Randall, James | Colonel | 51st regiment | Dec. 29, 1871 |
| Schroeder, Henry | First Lieutenant | 55th regiment | Jan. 14, 1871 |
| Scheiner, Valentine | Second Lieutenant | 55th regiment | Jan. 14, 1871 |
| Shade, Charles E. | Commissary | 71st regiment | Jan. 14, 1871 |
| Stephenson, James M. | Captain | 23d regiment | Jan. 14, 1871 |
| Stubbings, John H. | First Lieutenant | 3d regiment | Jan. 27, 1871 |
| Smith, Chas. A. | Aide-de-Camp | 23d brigade | Jan. 31, 1871 |
| Singer, Joseph H. | First Lieutenant | 7th regiment | Jan. 31, 1871 |
| Smith, Chas. J. | Adjutant | 11th regiment | Jan. 31, 1871 |
| Sholes, Richard | Captain | 103d regiment | Feb. 2, 1871 |
| Stacom, John | Quartermaster | 69th regiment | Feb. 13, 1871 |
| Schmidt, Leonard | First Lieutenant | 5th regiment | March 3, 1871 |
| Sirret, Wm. B. | Quartermaster | 74th regiment | March 20, 1871 |
| Smith, Samuel M. | First Lieutenant | 22d regiment | March 24, 1871 |
| Scheidler, Michael | Captain | 10th regiment | April 7, 1871 |
| Soper, Edward H. | Second Lieutenant | 13th regiment | April 14, 1871 |
| Sweet, Milton B. | First Lieutenant | 7th regiment | May 15, 1871 |
| Sniffen, John A. | First Lieutenant | 7th regiment | May 17, 1871 |
| Schoen, Frederick C. | Major | 54th regiment | May 31, 1871 |
| St. Cyr, Joseph Z. | First Lieutenant | 10th regiment | May 31, 1871 |
| Schweizer, John | Captain | 28th regiment | June 21, 1871 |
| Schacht, John J. | Captain | 3d cavalry | June 21, 1871 |
| Springer, George | Second Lieutenant | 3d cavalry | June 21, 1871 |
| Scheffler, Wm. | First Lieutenant | 25th regiment | June 21, 1871 |
| Seymour, Wm. F. | First Lieutenant | 69th regiment | June 29, 1871 |
| Schullian, Conrad | First Lieutenant | 96th regiment | June 29, 1871 |
| Smith, Samuel C. | Second Lieutenant | 71st regiment | June 29, 1871 |
| Satterlee, Frank Le Roy | Surgeon | 84th regiment | July 14, 1871 |
| Satterlee, Clarence | Assistant Surgeon | 84th regiment | July 14, 1871 |
| Sirret, Wm. B. | Major | 74th regiment | July 22, 1871 |
| Scott, David A. | Judge-Advocate | 22d brigade | July 29, 1871 |
| Seckles, Daniel | Second Lieutenant | 6th regiment | July 31, 1871 |
| Smith, Theodore V. | First Lieutenant | 71st regiment | July 31, 1871 |
| Steinhauser, Wm. J. | Second Lieutenant | Artillery, 25th brigade | Aug. 5, 1871 |
| Stall, Jacob W. | Second Lieutenant | 21st regiment | Sept. 6, 1871 |
| Storms, Caleb W. | Captain | 3d regiment | Sept. 7, 1871 |
| Storke, Jay E. | Adjutant | 49th regiment | Sept. 21, 1871 |
| Smith, Chas. J. | Assistant Adjutant-General | 2d brigade | Sept. 27, 1871 |
| Sattig, John | Engineer | 2d brigade | Sept. 27, 1871 |
| Smith, John T. | Ordnance Officer | 2d brigade | Sept. 27, 1871 |
| Steinhardt, Ephraim R. | Quartermaster | 2d brigade | Sept. 27, 1871 |
| Schew, Jacob W. | Commissary | 2d brigade | Sept. 27, 1871 |
| Spaulding, Jas. A. | Second Lieutenant | Artillery, 25th brigade | Oct. 10, 1871 |
| Simons, Julius F. | First Lieutenant | Artillery, 11th brigade | Oct. 18, 1871 |
| Smith, Geo. W. | Second Lieutenant | 79th battalion | Oct. 13, 1871 |
| Schiefferdecker, Fred'k | Captain | 25th regiment | Aug. 9, 1871 |
| Smillie, Chas. F. | Second Lieutenant | 71st regiment | Nov. 2, 1871 |
| Stock, Christopher | Adjutant | 65th regiment | Nov. 21, 1871 |
| Styles, Hyman F. | Captain | 20th regiment | Jan. 1, 1871 |
| Sandhausen, Louis | Captain | Troop cav., 2d division | Nov. 22, 1871 |
| Schwalbe, Wm. H. | Captain | 12th regiment | Nov. 28, 1871 |
| Sanderson, Charles | Second Lieutenant | 79th battalion | Nov. 7, 1871 |
| Schwarzwaelder, Wm. | Commissary of Subsistence | 5th brigade | Dec. 18, 1871 |
| Schwekendick, Henry | First Lieutenant | 3d cavalry | Nov. 14, 1871 |
| Stackpole, Horatio F. | Adjutant | 10th infantry | Dec. 29, 1871 |
| Thompson, John | Captain | 24th regiment | Jan. 28, 1871 |
| Thomas, Edward A. | Inspector | 23d brigade | Jan. 31, 1871 |
| Terrette, Charles W. | Captain | 1st regiment | Jan. 31, 1871 |
| Tallmadge, John | Aide-de-Camp | 10th brigade | Feb. 2, 1871 |
| Tyson, Arthur B. | Captain | 14th regiment | March 2, 1871 |
| Taylor, Howell M. | Chaplain | 47th regiment | March 10, 1871 |
| Tuttle, Truman V. | Captain | 47th regiment | March 22, 1871 |
| Terhune, James A. | Second Lieutenant | 22d regiment | March 24, 1871 |
| Turner, Wm. S. | First Lieutenant | Cavalry, 24th brigade | April 14, 1871 |
| Tracey, John A. | First Lieutenant | 25th regiment | May 4, 1871 |
| Tallmadge, John | Quartermaster | 10th brigade | July 31, 1871 |
| Tupper, Mason F. | Second Lieutenant | 44th regiment | Sept. 6, 1871 |
| Tournier, James E. | Captain | 49th regiment | Sept. 21, 1871 |
| Taylor, Robert | Assistant Surgeon | 12th regiment | Sept. 26, 1871 |
| Thompson, George | Assistant Surgeon | 9th regiment | April 7, 1871 |
| Ulrich, Simon | Second Lieutenant | 5th regiment | Feb. 10, 1871 |

List of Commissions Issued — (Continued).

| NAME. | Rank. | Organization. | Rank from. |
|---|---|---|---|
| Udell, Parson G | Assistant Surgeon | 54th regiment | Sept. 7, 1871 |
| Underhill, Edward | First Lieutenant | 3d regiment | Sept. 7, 1871 |
| Vredenburgh, Alfred P | Quartermaster | 1st brigade | Feb. 1, 1871 |
| Vandolah, Henry H | First Lieutenant | 54th regiment | Feb. 11, 1871 |
| Valentine, Frederick | Second Lieutenant | 9th regiment | Feb. 24, 1871 |
| Van Horn, Edward A | Second Lieutenant | 48th regiment | March 8, 1871 |
| Vought, Joseph P | Adjutant | 9th regiment | March 9, 1871 |
| Vanderhoof, Wm. W | First Lieutenant | 28th regiment | March 14, 1871 |
| Van Mater, Geo. W. | Aide-de-Camp | 11th brigade | May 15, 1871 |
| Vaden, Lawsen | First Lieutenant | 3d regiment | May 19, 1871 |
| Van Keuren, Fort | Surgeon | 103d regiment | Oct. 5, 1871 |
| Vilmar, Frederick | Colonel | 11th regiment | Oct. 9, 1871 |
| Van Brakle, Chas. H | Assistant Adjutant-General | 16th brigade | Oct. 26, 1871 |
| Van Zandt, Chas. E | Ordnance Officer | 9th brigade | Nov. 5, 1871 |
| Vantine, Martin L | Second Lieutenant | 71st regiment | July 4, 1871 |
| Van Allen, Chas. H | Assistant Adjutant-General | 13th brigade | Nov. 15, 1871 |
| Van Wagonen, E. D | Second Lieutenant | 20th regiment | Oct. 9, 1871 |
| West, Joseph G | Captain | 21st regiment | Jan. 28, 1871 |
| Wallis, David P | Quartermaster | 23d brigade | Jan. 31, 1871 |
| Westcott, Paul | Quartermaster | 103d regiment | Feb. 2, 1871 |
| Watt, James | Assistant Surgeon | 13th regiment | Feb. 2, 1871 |
| Williams, Robert E | Assistant Surgeon | 11th regiment | Feb. 21, 1871 |
| Walker, John E | First Lieutenant | 12th regiment | Feb. 21, 1871 |
| Wing, Charles J | Colonel | 74th regiment | Feb. 24, 1871 |
| Wiltsie, G. Frederick | Inspector | 22d brigade | March 9, 1871 |
| West, Charles S | Captain | 23d regiment | March 14, 1871 |
| Wahl, John | Second Lieutenant | 32d regiment | March 25, 1871 |
| Wente, Henry | Captain | Artillery, 24th brigade | April 14, 1871 |
| Warner, John | Quartermaster | 13th brigade | April 18, 1871 |
| Wirges, Henry | First Lieutenant | Artillery, 24th brigade | May 4, 1871 |
| Walker, William D | Chaplain | 84th regiment | May 10, 1871 |
| Wallace, John A | Second Lieutenant | 1st regiment | May 14, 1871 |
| Weller, Wm. F | Captain | Cavalry, 24th brigade | May 31, 1871 |
| Weitzel, John N | Captain | 54th regiment | June 21, 1871 |
| Williams, John | First Lieutenant | 28th regiment | June 21, 1871 |
| Wilke, Rudolph C | Second Lieutenant | 25th regiment | June 21, 1871 |
| Willgansz, William | First Lieutenant | 74th regiment | June 29, 1871 |
| Wolfensberger, Max | Second Lieutenant | 96th regiment | June 29, 1871 |
| Whitehead, John R | Second Lieutenant | Artillery, 10th brigade | July 21, 1871 |
| Williams, George F | Captain | 96th regiment | July 29, 1871 |
| Wiltsie, Arthur V | Aide-de-Camp | 22d brigade | July 29, 1871 |
| Wuebber, Edward L | First Lieutenant | Battery B, 1st division | Aug. 25, 1871 |
| Weisbrod, Andreas | Second Lieutenant | 3d cavalry | Sept. 30, 1871 |
| White, Edward | Assistant Surgeon | 12th regiment | Oct. 9, 1871 |
| Wheton, Albert L | Surgeon | Artillery, 24th brigade | Oct. 9, 1871 |
| Wooley, F. L | Ordnance Officer | 16th brigade | Oct. 9, 1871 |
| Wilson, John P | Assistant Surgeon | 21st regiment | Oct. 10, 1871 |
| Walter, John A. P | Second Lieutenant | Artillery, 25th brigade | Oct. 10, 1871 |
| Wrisley, Frank | Commissary | 1st division | Oct. 26, 1871 |
| White, Constant | Ordnance Officer | 7th brigade | July 4, 1871 |
| Williams, George A | Quartermaster | 31st brigade | Nov. 1, 1871 |
| White, Edward | Surgeon | 12th regiment | Sept. 26, 1871 |
| Wilson, Adolph | Second Lieutenant | 28th regiment | May 25, 1871 |
| Wills, Anthony | Major | 28th regiment | Dec. 6, 1871 |
| Young, Maurice | Second Lieutenant | 1st cavalry | April 12, 1871 |
| Young, Napoleon B | Second Lieutenant | 3d regiment | May 19, 1871 |
| Zillinsky, Chas. L. L | Captain | 14th regiment | March 2, 1871 |
| Zogbaum, Rufus F | Second Lieutenant | 23d regiment | July 14, 1871 |

(I.)

# GENERAL ORDERS AND CIRCULARS ISSUED DURING THE YEAR 1871.

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *January 2d*, 1871.

GENERAL ORDERS, No. 1.

The following named persons are announced as constituting the Staff of His Excellency John T. Hoffman, Governor and Commander-in-Chief :

Major-General Franklin Townsend, Adjutant-General.

Brigadier-General James McQuade, Inspector-General.

Brigadier-General Samuel William Johnson, Commissory-General and Chief of Ordnance.

Brigadier-General William M. Tweed, Jr., Engineer-in Chief.

Brigadier-General James B. Craig, Judge-Advocate-General.

Brigadier-General Jacob S. Mosher, Surgeon-General.

Brigadier-General Robert Lenox Banks, Quartermaster-General.

Brigadier-General George J. Magee, Paymaster-General.

Brigadier-General Albert Steinway, Commissary-General of Subsistence.

Colonel Walter P. Warren, Aide-de-Camp.

Colonel J. Townsend Connolly, Aide-de-Camp.

Colonel William F. Moller, Aide-de-Camp.

Colonel Lester B. Faulkner, Aide-de-Camp.

Colonel Herman Uhl, Aide-de-Camp.

Colonel Frank N. Lord, Aide-de-Camp.

They will be obeyed and respected accordingly.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *January 30th*, 1871.

GENERAL ORDERS, No. 2.

So much of Paragraph I of General Orders No. 21, series of 1870, as provides for the reduction of the Twenty-sixth Regiment, Infantry, to a Battalion, and leaving the Field Officers in commission, is hereby amended so that the Colonel thereof shall be rendered supernumerary.

By order of the Commander-in Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *February* 1, 1871.

General Orders, No. 3.

The following officers have been commissioned in the National Guard, State of New York, during the month of January, 1871:

### Staff of the Commander-in-Chief.

Brigadier-General Samuel Wm. Johnson, Commissary-General and Chief of Ordnance, with rank from January 12, 1871, vice Wm. H. Morris, resigned.

### First Division.

Lieutenant-Colonel John Fowler, Jr., Ordnance Officer, with rank from January 1, 1871, vice J. J. Donaldson, resigned.

### Twenty-third Brigade.

Major Edward A. Thomas, Inspector, with rank from January 25, 1871, vice J. S. Clark, resigned.

Captain David P. Wallis, Quartermaster, with rank from January 25, 1871, vice H. W. Dwight, removed from State.

Captain James Lyon, Commissary of Subsistence, with rank from January 25, 1871; original vacancy.

Captain Charles A. Smith, Aide-de-Camp, with rank from January 25, 1871, vice E. H. Avery, promoted.

First Lieutenant David M. Dunning, Aide-de-Camp, with rank from January 25, 1871; original vacancy.

### First Regiment of Cavalry.

John H. Timmerman, Major, with rank from January 10, 1871, vice John Madden, promoted.

George Aery, Captain, with rank from October 10, 1870, vice H. Fischer, promoted.

Walter Murray, First Lieutenant, with rank from October 14, 1870, vice Thomas Dow, promoted.

### Third Regiment of Cavalry.

John H. Honecke, First Lieutenant, with rank from November 10, 1870, vice H. Schmale, resigned.

Harris Cohen, Second Lieutenant, with rank from November 10, 1870, vice H. Honecke, promoted.

Reinhard Von Oehsen, Second Lieutenant, with rank from November 11, 1870, vice J. F. Kasters, promoted.

John C. Bultman, Captain, with rank from November 10, 1870, vice A. Funk, promoted.

Fredk. Bornholdt, First Lieutenant, with rank from December 7, 1870, vice Louis Kapps, resigned.

John B. Speckles, Second Lieutenant, with rank from December 7, 1870, vice C. H. Sonnensmith, resigned.

Charles B. Miller, Second Lieutenant, with rank from December 7, 1870, vice F. Bornholdt, promoted.

SECOND BATTALION OF CAVALRY—TWENTY-FOURTH BRIGADE.

John F. Moschell, Major, with rank from December 23, 1870, vice J. C. Bennett, promoted.

Frederick Auer, Major, with rank from December 23, 1870; original vacancy.

Rehesa Griffin, Adjutant, with rank from December 23, 1870, vice F. Auer, promoted.

BATTERY B—SECOND DIVISION.

Emil Brillman, Second Lieutenant, with rank from November 17, 1870, vice Conrad Schildmacher, resigned.

FIRST REGIMENT OF INFANTRY.

William Marshall, First Lieutenant, with rank from November 30, 1870, vice George R. Russell, removed from State.

Charles W. Terrette, Captain, with rank from December 15, 1870, vice John Kirwan, resigned.

Hugo M. Otto, Second Lieutenant, with rank from January 4, 1871, vice William Marshall, promoted.

THIRD REGIMENT OF INFANTRY.

Conrad Frederick, Second Lieutenant, with rank from December 16, 1870; original vacancy.

John H. Stubbings, First Lieutenant, with rank from November 10, 1870, vice J. H. Stubbings, failed to qualify.

FIFTH REGIMENT OF INFANTRY.

Emil Ney, Captain, with rank from December 8, 1870, vice G. Landmann, resigned.

Julius Willing, First Lieutenant, with rank from December 8, 1870, vice John Kimmel, resigned.

Martin Rau, Second Lieutenant, with rank from December 8, 1870, vice Julius Willing, promoted.

John C. F. Deecken, Assistant Commissary of Subsistence, with rank from December 18, 1870, vice J. W. Funk, resigned.

SIXTH REGIMENT OF INFANTRY.

Cortland St. John, First Lieutenant, with rank from December 9, 1870, vice A. Eidenweil, resigned.

Henry Hildburg, Second Lieutenant, with rank from December 8, 1870, vice H. Wagner, resigned.

Charles F. Robbins, Second Lieutenant, with rank from December 14, 1870, vice N. G. Patterson, resigned.

Charles H. Raynor, Assistant Commissary of Subsistence, with rank from December 20, 1870, vice C. H. Raynor, retired with former Colonel.

SEVENTH REGIMENT OF INFANTRY.

Joseph H. Singer, First Lieutenant, with rank from January 6, 1871, vice W. F. Taylor, declined.

Francis W. Houghton, First Lieutenant, with rank from January 11, 1871, vice F. A. Schemerhorn, resigned.

### Tenth Regiment of Infantry.

John A. Marlow, First Lieutenant, with rank from December 22, 1870, vice William J. Dickson, Jr., resigned.

Royal C. Higby, Second Lieutenant, with rank from December 22, 1870, vice John A. Marlow, promoted.

### Eleventh Regiment of Infantry.

Charles Grote, Captain, with rank from December 8, 1870, vice George Nehrbas resigned.

Charles Oberle, First Lieutenant, with rank from December 8, 1870, vice Charles Grote, promoted.

Nickolaus Narwesen, Second Lieutenant, with rank from December 8, 1870, vice Charles Oberle, promoted.

Charles Kinkel, First Lieutenant, with rank from November 19, 1870, vice Charles Striffler, failed to qualify.

Charles F. Baldenecker, Captain, with rank from December 5, 1870, vice W. R. Oberman, promoted.

Charles J. Smith, Adjutant, with rank from November 1, 1870, vice H. G. Schambach, resigned.

### Twenty-first Regiment of Infantry.

John Muckenhaupt, Second Lieutenant, with rank from October 3, 1870, vice Christopher Max, resigned.

Joseph G. West, Captain, with rank from January 14, 1871, vice Robert C. Lester, resigned.

### Twenty-second Regiment of Infantry.

Samuel E. Briggs, First Lieutenant, with rank from December 12, 1870, vice E. H. Cunningham, resigned.

Lennox Huggins, First Lieutenant, with rank from December 13, 1870, vice Dunnelle Van Schaick, promoted.

John W. Castree, Second Lieutenant, with rank from December 12, 1870, vice S. E. Briggs, promoted.

Andrew Ritchie, Second Lieutenant, with rank from December 13, 1870, vice L. Huggins, promoted.

### Twenty-third Regiment of Infantry.

John N. Partridge, Major, with rank from January 7, 1871, vice J. G. Gregory, resigned.

James M. Stephenson, Captain, with rank from November 22, 1870, vice A. J. Metz, resigned.

Isaac H. Carg, First Lieutenant, with rank from November 22, 1870, vice James M. Stephenson, promoted.

Edward G. Robertson, Second Lieutenant, with rank from November 22, 1870, vice I. H. Carg, promoted.

### Twenty-fourth Regiment of Infantry.

John McKenna, Lieutenant-Colonel, with rank from December 23, 1870, vice Gurdon G. Wolfe, resigned.

William H. Munn, Major, with rank from December 23, 1870, vice John McKenna, promoted.

John Thompson, Captain, with rank from January 5, 1871, vice William H. Munn, promoted.

Frank H. Fales, First Lieutenant, with rank from January 5, 1871, vice John Thompson, promoted.

### Twenty-fifth Regiment of Infantry.

Benjamin Witman, First Lieutenant, with rank from October 1, 1870, vice William Reichert, resigned.

Anthony Wilpers, Second Lieutenant, with rank from October 1, 1870, vice B. Witman, promoted.

Henry P. Roos, Second Lieutenant, with rank from December 30, 1870, vice George Sweeley, resigned.

### Battalion Thirty-third, Infantry.

Franklin B. Beers, Major, with rank from December 12, 1870; original.

### Forty-ninth Regiment of Infantry.

Charles E. Vananden, Surgeon, with rank from September 7, 1870; original vacancy.

Francis B. Casey, Assistant Surgeon, with rank from September 7, 1870; original vacancy.

John Y. Selover, Assistant Commissary of Subsistence, with rank from September 7, 1870; original appointment.

### Fifty-first Regiment of Infantry.

Herman Michaels, Captain, with rank from December 30, 1870, vice Valentine Bahn, resigned.

### Fifty-fourth Regiment of Infantry.

Robert J. Lester, Captain, with rank from December 22, 1870, vice Th. L. Grant, resigned.

Daniel O'Neil, Captain, with rank from December 27, 1870, vice A. J. Hatch, failed to qualify.

### Fifty-fifth Regiment of Infantry.

Henry Schroeder, First Lieutenant, with rank from December 13, 1870, vice John Wiederfeld, resigned.

Valentine Scheiner, Second Lieutenant, with rank from December 13, 1870, vice Henry Schroeder, promoted.

### Seventy-first Regiment of Infantry.

Augustus T. Francis, Adjutant, with rank from December 1, 1870; reappointed.

T. Lynch Raymond, Quartermaster, with rank from December 1, 1870; reappointed.

Eastburn Benjamin, Chaplain, with rank from December 1, 1870; reappointed.

Charles E. Shade, Commissary, with rank from December 1, 1870; reappointed.

Edward G. Higginbotham, Surgeon, with rank from December 1, 1870, vice Butler, supernumerary.

Lewis Balch, Assistant Surgeon, with rank from December 1, 1870, vice Starr, supernumerary.

### BATTALION SEVENTY-NINTH INFANTRY.

William Mahon, First Lieutenant, with rank from December 15, 1870, vice W. F. Bishoff, deceased.

### EIGHTY-FOURTH REGIMENT OF INFANTRY.

George E. Helme, Captain, with rank from December 12, 1870, vice G. E. Helme, resigned.

James W. Quackenbush, First Lieutenant, with rank from December 12, 1870, vice Thomas Hines, removed from District.

William Egbert, Second Lieutenant, with rank from December 12, 1870, vice A. P. Hinman, removed from district.

William H. O'Neil, Captain, with rank from January 6, 1871, vice James Gaynor, absent without leave.

George Cartwright, First Lieutenant, with rank from January 6, 1871, vice Edward Maher, absent without leave.

John Newton Macklin, Second Lieutenant, with rank from January 6, 1871, vice Patrick McDonough, absent without leave.

### NINETY-SIXTH REGIMENT OF INFANTRY.

Frank H. Rodenburg, First Lieutenant, with rank from December 23, 1870, vice Frank Keller, promoted.

The following resignations of officers in the National Guard, State of New York, have been accepted during the same period :

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Jan. 6.... | ..... | .... | 7 | John McConville..... .... | Judge-Advocate. |
| do 6 ... | 49 | 23 | 6 | Michael O'Neill..... ..... | First Lieutenant. |
| do 6.... | 5 | 2 | 1 | Adam Eidenweild..... | First Lieutenant. |
| do 10.... | 22 | 1 | 1 | Thomas H. Cullen ..... | Captain. |
| do 10.... | 71 | 1 | 1 | Thomas W. Love..... | Second Lieutenant. |
| do 13 ... | 84 | 2 | 1 | James H. Heatherton..... .... | Second Lieutenant. |
| do 13.... | 84 | 2 | 1 | Benjamin Price..... ..... | Second Lieutenant. |
| do 13 ... | 5 | 2 | 1 | H. T. Allen..... ..... | Major. |
| do 13.... | 13 | 5 | 2 | Francis Deacon... ..... | First Lieutenant. |
| do 14.... | 10 | 9 | 3 | Michael Scheidler..... | Captain. |
| do 14... | Cavalry. | 1 | 1 | Rudolph J Rohdenburg..... | Captain. |
| do 27.... | 25 | 9 | 3 | George Sweeley..... | Second Lieutenant. |
| do 27.... | 51 | 24 | 6 | Henry Leutz..... | Captain. |
| do 27.... | 51 | 24 | 6 | Philip Schug... ..... | First Lieutenant. |
| do 28.... | 11 | 2 | 1 | Charles Vogel..... | First Lieutenant. |
| do 28.... | 9 | 3 | 1 | W. R. Macdonald..... | First Lieutenant. |
| do 30.... | 84 | 2 | 1 | James Quee..... | Assistant Surgeon. |
| do 30.... | 7 | 3 | 1 | Joseph Dore..... | First Lieutenant. |
| do 30 ... | 11 | 2 | 1 | Joseph Ozab..... .... | First Lieutenant. |
| do 30.... | 49 | 23 | 6 | John S. Clark..... | Brigade Inspector. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,

*Adjutant-General.*

GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *February* 2, 1871.

GENERAL ORDERS, No. 4.

The following appointment on the staff of His Excellency John T. Hoffman, Governor and Commander-in-Chief, is hereby announced:

Colonel Frederick W. Hadfield, of New York city, Military Secretary.

He will be obeyed and respected accordingly.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
AJUTANT-GENERAL'S OFFICE, ALBANY, *March* 1, 1871.

GENERAL ORDERS, No. 5.

The following officers have been commissioned in the National Guard, State of New York, during the month of February, 1871:

FIRST BRIGADE.

Captain Alfred P. Vredenburg, Qnartermaster, with rank from December 30, 1870, vice A. G. Agnew, resigned.

TENTH BRIGADE.

First Lieutenant John Tallmadge, Aide-de-Camp, with rank from January 19, 1871, vice L. E. Griffith, resigned.

FIRST REGIMENT OF CAVALRY.

William D. Bruns, Adjutant, with rank from January 13, 1871, vice J. H. Timmerman, promoted.

Henry Cordes, Veterinary Surgeon, with rank from January 13, 1871; original vacancy.

Henry M. Collyer, Captain, with rank from January 24, 1871, vice F. G. Keeler, supernumerary.

Adolph Herrman, Captain, with rank from January 30, 1871, vice G. Kuntz, resigned.

SECOND BATTALION OF CAVALRY—TWENTY-FOURTH BRIGADE.

Israel E. Britton, Veterinary Surgeon, with rank from February 8, 1871, vice Alexander Henderson, failed to qualify.

BATTERY G—FIRST DIVISION.

James B. Cone, Second Lieutenant, with rank from January 20, 1871; original vacancy.

NINTH REGIMENT OF INFANTRY.

Robert B. Gable, Captain, with rank from February 17, 1871, vice W. H. Cadwell, resigned.

Edward S. Bowlend, First Lieutenant, with rank from December 27, 1870, vice J. Alfred Therriott, resigned.

Frederick F. Valentine, Second Lieutenant, with rank from December 27, 1870, vice E. S. Bowlend, promoted.

Benjamin W. Blanchard, Assistant Commissary, with rank from May 10, 1870, vice F. Braine, retired with former Colonel.

### ELEVENH REGIMENT OF INFANTRY.

Adolph E. Georgi, Quartermaster, with rank from November 1, 1870, vice A. E. Georgi, resigned.

Robert E. Williams, Assistant Surgeon, with rank from November 1, 1870, vice J. F. Schaeffer, resigned.

### TWELFH REGIMENT OF INFANTRY.

Charles Heizman, First Lieutenant, with rank from January 13, 1871, vice Eugene Soulleyet, resigned.

John E. Walker, First Lieutenant, with rank from February 7, 1871, vice R. E. Jones, promoted.

### THIRTEENTH REGIMENT OF INFANTRY.

John Watt, Assistant Surgeon, with rank from December 9, 1870, vice J. Lester Keep, promoted.

### FOURTEENTH REGIMENT OF INFANTRY.

James McLeer, Lieutenant-Colonel, with rank from November 7, 1870, vice Henry T. Head, deceased.

### TWENTY-THIRD REGIMENT OF INFANTRY.

Robert P. Lyon, Captain, with rank from January 31, 1871, vice John A. Partridge, promoted.

Thomas M. Bissett, First Lieutenant, with rank from January 31, 1871, vice Robert P. Lyon, promoted.

Wm. M. Moore, Second Lieutenant, with rank from January 31, 1871, vice Thomas M. Bissett, promoted.

### FORTY-EIGHTH REGIMENT OF INFANTRY.

Edwin L. Huntington, Captain, with rank from August 30, 1870; original vacancy.

Homer M. Ames, First Lieutenant, with rank from August 30, 1870; original vacancy.

Franklin B. Gregory, Second Lieutenant, with rank from August 30, 1870; original vacancy.

### FORTY-NINTH REGIMENT OF INFANTRY.

Frank Owens, Captain, with rank from November 1, 1870; original vacancy.

### FIFTY-FOURTH REGIMEMT OF INFANTRY.

Frederick C. Lauer, Jr., Captain, with rank from January 13, 1871, vice J. H. Wilson, resigned.

Henry H. Vandolah, First Lieutenant, with rank from January 13, 1871, vice F. C. Lauer, Jr., promoted.

Adam F. Brash, Second Lieutenant, with rank from January 13, 1871, vice H. H. Vandolah, promoted.

### SIXTY-NINTH REGIMENT OF INFANTRY.

John Stacom, Quartermaster, with rank from January 27, 1871, vice Daniel Strain, resigned.

Martin McDonnell, Captain, with rank from May 13, 1870, vice W. S. O'Brien, resigned.

Wm. G. McElroy, First Lieutenant, with rank from January 21, 1871, vice J. J. Harley, promoted.

### SEVENTY-FIRST REGIMENT OF INFANTRY.

De Witt C. Arnold, Assistant Commissary, wtih rank from February 17, 1871; original vacancy.

### SEVENTY-FOURTH REGIMENT OF INFANTRY.

Geo. Morgan, Jr., Captain, with rank from December 13, 1870, vice Oscar F. Richards, resigned.

Alfred Lyth, First Lieutenant, with rank from December 13, 1870, vice Geo. Morgan, Jr., promoted.

Barnard Duggan, Second Lieutenant, with rank from December 13, 1870, vice Alfred Lyth, promoted.

Chas. J. Wing, Colonel, with rank from February 20, 1871, vice Geo. M. Baker, resigned.

James A. Gault, Lieutenant-Colonel, with rank from February 20, 1871, vice Chas. J. Wing, promoted.

Lewis M. Evans, Major, with rank from February 20, 1871, vice James A. Gault, promoted.

### EIGHTY-FOURTH REGIMENT OF INFANTRY.

James Hunter, Captain, with rank from February 7, 1871, vice John Mitchell, resigned.

Wm. Henderson, Second Lieutenant, with rank from February 7, 1871, vice Thomas Carson, declined.

### ONE HUNDRED AND THIRD REGIMENT OF INFANTRY.

Richard Sholes, Captain, with rank from December 5, 1870, vice M. P. Vosburg, promoted.

Paul Westcott, Quartermaster, with rank from October 20, 1870, vice D. K. H. Knapp, promoted.

The following resignations of officers in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Feb. 1.... | 71 | 1 | 1 | Wm. A. Elmer..... | First Lieutenant. |
| do 1.... | 71 | 1 | 1 | John H. Riggins..... | Second Lieutenant. |
| do 1.... | 13 | 5 | 2 | Wallace H. Cole ..... | Second Lieutenant. |
| do 1.... | 47 | 11 | 2 | Edwin H. Johnson..... ..... | First Lieutenant. |
| do 2.... | 47 | 11 | 2 | N. W. Leighton. ..... | Surgeon. |
| do 11.... | 5 | 2 | 1 | Henry Otto ..... .... . . | First Lieutenant. |
| do 11.... | Battery B. | .... | 1 | H. C. A. Kasschau. ..... | First Lieutenant. |
| do 13.... | 71 | 1 | 1 | Joseph A. Wise..... | Captain. |
| do 13.... | 84 | 2 | 1 | Theodorus McLeod..... | Captain. |
| do 13.... | 84 | 2 | 1 | Edward Straight..... | Second Lieutenant. |
| do 13.... | 96 | 2 | 1 | Antonio O. Jones..... | Second Lieutenant. |
| do 13 .. | 11 | 2 | 1 | Julius Hengstler..... .... | Second Lieutenant. |
| do 13 .. | 96 | 2 | 1 | Conrad Doell ..... ..... | First Lieutenant. |
| do 13 ... | 96 | 2 | 1 | Jos. Bauer..... ... | Second Lieutenant. |
| do 14.... | 47 | 11 | 2 | J. Hyatt Smith..... . | Chaplain. |
| do 17.... | ..... | 11 | 2 | Wm. J. Irwin..... | Assist. Adjutant-General. |
| do 17 .. | 47 | 11 | 2 | Wm J. Heathcote ..... ..... | Captain. |
| do 20.... | 83 | 13 | 3 | James B. Shufelt... ..... | Second Lieutenant. |
| do 20.... | 22 | 1 | 1 | Theodore H. Freeland..... .... | First Lieutenant. |
| do 20.... | 12 | 1 | 1 | Leon A. Canter .. .. ..... | Second Lieutenant. |
| do 20.... | 22 | 1 | 1 | Wm. C. Rogers. ..... | Quartermaster. |
| do 21.... | ..... | .... | 1 | George McClure ..... .... ... | Quartermaster. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *April* 1, 1871.

GENERAL ORDERS, No. 6.

The following officers have been commissioned in the National Guard, State of New York, during the month of March, 1871:

SIXTH DIVISION.

Colonel John Demong, Chief of Artillery, with rank from March 7, 1871; original.

TWENTY-SECOND BRIGADE.

Captain David Brown, Aide-de Camp, with rank from January 27, 1871, vice J. W. Little, transferred.

Major G. Fred Wiltsie, Inspector, with rank from March 1, 1871, vice W. T. Snell, deceased.

Captain Edward S. Fowler, Ordnance Officer, with rank from March 1, 1871, vice G. F. Wiltsie, promoted.

FIRST REGIMENT OF CAVALRY.

Geo. J. Eble, Second Lieutenant, with rank from February 13, 1871, vice H. Wilbers, resigned.

Adam Becker, Second Lieutenant, with rank from February 13, 1871, vice Jacob Harms, resigned.

John Backer, Second Lieutenant, with rank from February 23, 1871, vice Jacob Lang, resigned.

SECOND BATTALION OF CAVALRY—TWENTY-FOURTH BRIGADE.

Ralph Lissman, Assistant Commissary of Subsistence, with rank from February 22, 1871; original.

FIRST REGIMENT OF INFANTRY.

Frank M. Clark, Captain, with rank from March 6, 1871, vice H. G. Schamback, resigned.

THIRD REGIMENT OF INFANTRY.

Edmund S. F. Arnold, Surgeon, with rank from January 1, 1871, vice J. S. Gregory, declined.

FIFTH REGIMENT OF INFANTRY.

Louis Ploeger, First Lieutenant, with rank from February 9, 1871, vice J. Eidenwald, resigned.

Leonard Schmidt, First Lieutenant, with rank from February 13, 1871, vice H. Zoebisch, resigned.

Louis Hallen, Major, with rank from February 28, 1871, vice H. T. Allen, resigned.

SIXTH REGIMENT OF INFANTRY.

B. F. Dawson, Surgeon, with rank from September 15, 1870, vice E. W. Vondersmith, resigned.

SEVENTH REGIMENT OF INFANTRY.

Chas. F. Robbins, First Lieutenant, with rank from February 17, 1871, vice Jos. Dare, resigned.

Darius Ferry, Jr., Second Lieutenant, with rank from February 17, 1871, vice Chas. F. Robbins, promoted.

EIGHTH REGIMENT OF INFANTRY.

Joseph P. Davenport, Captain, with rank from February 2, 1871, vice Theo. J. Gisburne, resigned.

Geo. T. Fielding, First Lieutenant, with rank from February 2, 1871, vice J. P. Davenport, promoted.

NINTH REGIMENT OF INFANTRY.

Jas. J. De Barry, Second Lieutenant, with rank from December 7, 1870, vice Noah Lodger, resigned.

TWELFTH REGIMENT OF INFANTRY.

Hugh R. F. Koechling, First Lieutenant, with rank from March 9, 1871, vice Chas. Greer, transferred.

THIRTEENTH REGIMENT OF INFANTRY.

J. Frederick Moore, Surgeon, with rank from November 1, 1870, vice N. A. Baldwin, term expired.

### Fourteenth Regiment of Infantry.

Thomas J. Fagan, Captain, with rank from February 28, 1870, vice L. Nichols, resigned.

Arthur B. Tyson, Captain, with rank from March 14, 1871, vice W. F. Turbelle, resigned.

Chas. L. H. Zellinsky, Captain, with rank from November 4, 1870, vice Chas. Schurig, resigned.

### Nineteenth Battalion of Infantry.

Joseph P. Vought, Adjutant, with rank from January 27, 1871, vice W. T. Snell, promoted.

Bartholomew B. Moore, First Lieutenant, with rank from March 3, 1871, vice Sylvester Lawson, cashiered.

### Twenty-second Regiment of Infantry.

Samuel M. Smith, First Lieutenant, with rank from March 14, 1871, vice Theo. H. Freeland, resigned.

James A. Terhune, Second Lieutenant, with rank from March 14, 1871, vice S. M. Smith, promoted.

### Twenty-third Regiment of Infantry.

Chas. S. West, Captain, with rank from March 6, 1871, vice W. R. Bunker, resigned.

### Twenty-fourth Regiment of Infantry.

Patrick J. Fitzgerald, Captain, with rank from March 14, 1871, vice R. L. Wright, resigned.

### Twenty-eighth Regiment of Infantry.

Wm. W. Vanderhoof, First Lieutenant, with rank from July 7, 1870, vice Lambert Hunt, deceased.

August Koerner, First Lieutenant, with rank from April 11, 1870, vice William Zink, resigned.

### Thirty-second Regiment of Infantry.

Louis Bossert, Captain, with rank from February 24, 1871; original.

John A. Dillmayer, First Lieutenant. with rank from February 24, 1871; original.

John Wahl, Second Lieutenant, with rank from February 24, 1871; original.

### Forty-seventh Regiment of Infantry.

Wm. Howell Taylor, Chaplain, with rank from March 1, 1871, vice J. Hyatt Smith, resigned.

Edward N. Pendleton, Surgeon, with rank from March 1, 1871, vice N. W. Leighton, resigned.

Truman V. Tuttle, Captain, with rank from March 6, 1871, vice W. H. Heathcote, resigned.

Ambrose E. Barnes, First Lieutenant, with rank from March 10, 1871, vice E. H. Johnson, resigned.

Wm. J. Powell, Second Lieutenant, with rank from March 10, 1871, vice A. E. Barnes, promoted.

FORTY-EIGHTH REGIMENT OF INFANTRY.

Hugh H. Herron, First Lieutenant, with rank from July 14, 1870, vice John Dunn, Jr., removed from district.

Edward A. Van Horn, Second Lieutenant, with rank from September 5, 1865, vice John Carrigan, resigned.

David H. Judson, Assistant Commissary of Subsistence, with rank from February 1, 1871; original.

FIFTY-FIRST REGIMENT OF INFANTRY.

Abraham Goettel, Second Lieutenant, with rank from January 17, 1871, vice F. Weiss, resigned.

FIFTY-FOURTH REGIMENT OF INFANTRY.

Geo. A. Begy, Adjutant, with rank from February 20, 1871, vice R. J. Lester, promoted.

Christopher Reinfeldt, Captain, with rank from January 31, 1871, vice Ph. Ruppert, resigned.

SEVENTY-FIRST REGIMENT OF INFANTRY.

John R. Davenport, First Lieutenant, with rank from February 3, 1871, vice A. P. Vredenburgh, transferred.

SEVENTY-FOURTH REGIMENT OF INFANTRY.

Wm. B. Sirret, Quartermaster, with rank from February 21, 1871, vice Lem. D. Warren, resigned.

EIGHTY-FOURTH REGIMENT OF INFANTRY.

Wm. Atkinson, Major, with rank from March 6, 1871, vice James Hunter, promoted.

The following resignations of officers in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| March 2.... | Bat. of cav. | 24 | 6 | B. Hutcheson..... | Captain. |
| do 3.... | 6 | 2 | 1 | Charles Arnold..... | First Lieutenant. |
| do 3.... | 1 | 3 | 1 | H. G. Shambach..... | Captain. |
| do 8.... | 84 | 2 | 1 | Charles Atkinson..... | First Lieutenant. |
| do 9.... | 84 | 2 | 1 | Wm. Atkinson..... | Captain. |
| do 9 ... | Battery K. | ... | 1 | Jacob Fuchs..... | Second Lieutenant. |
| do 9.... | 7 | 3 | 1 | George F. Thomas, Jr..... | Captain. |
| do 9.... | 51 | 24 | 6 | N. W. Smith..... | First Lieutenant. |
| do 10.... | 13 | 5 | 2 | Wm. Barnett..... | Captain. |
| do 10.... | 28 | 5 | 2 | Jacob Schlitz..... | Second Lieutenant. |
| do 10.... | 13 | 5 | 2 | J. G. F. Powell..... | First Lieutenant. |
| do 13 ... | ..... | 22 | 5 | James W. Taylor..... | Judge-Advocate. |
| do 13.... | 49 | 23 | 6 | Morris Wasmann..... | First Lieutenant. |
| do 13.... | ..... | .... | 3 | E. M. Green..... | Aide-de-Camp (Major). |
| do 14.... | 6 | 2 | 1 | Fred'k G. Kleist..... | Second Lieutenant. |
| do 14.... | 6 | 2 | 1 | John Christian Hang..... | First Lieutenant. |
| do 17.... | 74 | 31 | 8 | Geo. F. Pfeiffer..... | First Lieutenant. |
| do 17.... | ..... | 11 | 2 | Henry J. Foster..... | Inspector. |
| do 17... | 32 | 11 | 2 | Alois Kohler..... | Captain. |
| do 17.... | 47 | 11 | 2 | I. J. Geery..... | Lieutenant-Colonel. |
| do 17 ... | Artillery. | 24 | 6 | Vincent Rodenz..... | Second Lieutenant. |
| do 20.... | 54 | 25 | 7 | Jacob Englert..... | Second Lieutenant. |
| do 24.... | 7 | 3 | 1 | John H. Lounsberry, Jr..... | First Lieutenant. |
| do 25 ... | 6 | 2 | 1 | Fred'k Wolf..... | Second Lieutenant. |
| do 25... | 79 | 1 | 1 | Adam Steele..... | First Lieutenant. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *April 3d*, 1871.

GENERAL ORDERS, No. 7.

I. The Twenty-sixth Battalion Infantry, National Guard, is hereby disbanded, and the Field and Staff officers thereof will be mustered out of service. The company organizations will be retained until further orders.

II. On the muster-out of the Field and Staff officers, the commandants of the several companies composing the Twenty-sixth Battalion Infantry, hereby disbanded, will report to Brigadier-General Sylvester Dering, commanding Twenty-first Brigade.

III. Brigadier-General Sylvester Dering is charged with the execution of this order.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *May* 1, 1871.

GENERAL ORDERS, No. 8.

The following officers have been commissioned in the National Guard, State of New York, during the month of April, 1871:

THIRD BRIGADE.

Captain Russell H. Robbins, Ordnance Officer, with rank from April 25, 1871, vice Daniel W. Richards, resigned.

THIRTEENTH BRIGADE.

Captain John Warner, Quartermaster, with rank from April 14, 1871, vice Charles E. McDonald, deceased.

FIRST REGIMENT OF CAVALRY.

Maurice Young, Second Lieutenant, with rank from July 19, 1870, vice C. Droge, removed from State.

SECOND BATTALION OF CAVALRY—TWENTY-FOURTH BRIGADE.

Richard C. Day, Captain, with rank from April 7, 1871, vice B. Hutchinson, resigned.

William S. Turner, First Lieutenant, with rank from April 7, 1871, vice Robert Oliver, Jr., deceased.

Orlando W. Clary, Second Lieutenant, with rank from April 7, 1871, vice Richard C. Day, promoted.

BATTALION OF ARTILLERY—TWENTY-FOURTH BRIGADE.

William Meichel, Major, with rank from March 27, 1871, vice John Demong, promoted.

Henry Wente, Captain, with rank from April 4, 1871, vice William Meichel promoted.

FIRST REGIMENT OF INFANTRY.

R. Livingston Luckey, Adjutant, with rank from March 6, 1871, vice Frank M. Clark, promoted.

SIXTH REGIMENT OF INFANTRY.

Louis Fischer, First Lieutenant, with rank from March 10, 1871, vice Charles Arnold, resigned.

John M. Hermes, Second Lieutenant, with rank from March 10, 1871, vice Frederick Bergner, removed from State.

SEVENTH REGIMENT OF INFANTRY.

Edward O. Bird, Captain, with rank from March 27, 1871, vice George F. Thomas, Jr., resigned.

EIGHTH REGIMENT OF INFANTRY.

William H. Heathcote, Captain, with rank from March 17, 1871, vice Joseph Kennedy, resigned.

NINTH REGIMENT OF INFANTRY.

George A. Hussey, First Lieutenant, with rank from March 1, 1871, vice W. R. Macdonald, resigned.

TENTH REGIMENT OF INFANTRY.

Michael Scheidler, Captain, with rank from March 9, 1871; original.

Patrick McGraw, First Lieutenant, with rank from March 9, 1871; original.

Louis Norton, Second Lieutenant, with rank from March 9, 1871 ; original.

TWELFTH REGIMENT OF INFANTRY.

John J. Heintz, Jr., Second Lieutenant, with rank from January 13, 1871, vice Charles Heizman, promoted.

THIRTEENTH REGIMENT OF INFANTRY.

Elias L. Hull, Captain, with rank from March 20, 1871, vice J. S. Van Cleef, resigned.

Franklyn Coit, First Lieutenant, with rank from March 8, 1871, vice Francis Deacon, resigned.

Henry V. Gahagan, Second Lieutenant, with rank from March 7, 1871, vice W. H. Cole, resigned.

George D. Allen, Second Lieutenant, with rank from March 8, 1871, vice Franklyn Coit, promoted.

Edward H. Soper, Second Lieutenant, with rank from March 15, 1871, vice Smith H. Wing, promoted.

FOURTEENTH REGIMENT OF INFANTRY.

Robert E. Hull, First Lieutenant, with rank from November 4, 1870, vice Isaac P. Smith, failed to qualify.

W. Dudley Brennan, First Lieutenant, with rank from November 17, 1870, vice Th. J. Fagan, promoted.

TWENTY-SECOND REGIMENT OF INFANTRY.

Albert E. Colfax, Captain, with rank from March 20, 1871, vice Thos. H. Cullen, resigned.

Wm. P. Bogert, First Lieutenant, with rank from March 20, 1871, vice A. E. Colfax, promoted.

TWENTY-FOURTH REGIMENT OF INFANTRY.

Albert S. Newcomb, Surgeon, with rank from March 14, 1871, vice —— Flannery, resigned.

TWENTY-FIFTH REGIMENT OF INFANTRY.

Henry P. Ross, Second Lieutenant, with rank from December 30, 1870, vice Geo. Sweeley, resigned.

THIRTY-SECOND REGIMENT OF INFANTRY.

Henry E. Roehr, Colonel, with rank from April 8, 1871; original vacancy.

John Rueger, Lieutenant-Colonel, with rank from April 8, 1871, vice H. E. Roehr, promoted.

Fred'k J. Karcher, Major, with rank from April 8, 1871, vice J. Rueger, promoted.

Christopher Lutz, Captain, with rank from April 8, 1871, vice A. Kohler, resigned.

George Miller, Second Lieutenant, with rank from April 8, 1870, vice J. Fent, resigned.

FORTY-FOURTH REGIMENT OF INFANTRY.

Charles R. Brown, Captain, with rank from April 5, 1871, vice Geo. S. Kilmer, resigned.

Olin S. Finney, Second Lieutenant, with rank from April 5, 1871, vice Charles R. Brown, promoted.

FORTY-SEVENTH REGIMENT OF INFANTRY.

Geo. E. Orton, Lieutenant-Colonel, with rank from April 4, 1871, vice I. J. Geery, resigned.

FIFTY-FIRST REGIMENT OF INFANTRY.

John A. Haberere, Captain, with rank from March 2, 1871, vice Henry Lentz, resigned.

FIFTY-FOURTH REGIMENT OF INFANTRY.

Henry B. Henderson, Major, with rank from April 13, 1871, vice F. J. Maloney, dismissed.

FIFTY-FIFTH REGIMENT OF INFANTRY.

Fred'k Gebhard, First Lieutenant, with rank from March 2, 1871, vice Valentine Steitz, promoted.

SIXTY-FIFTH REGIMENT OF INFANTRY.

John Burgeman, Captain, with rank from January 16, 1871, vice Caspar Retel, dismissed.

Samuel B. Bancroft, Captain, with rank from April 4, 1871, vice John Nessar, removed from district.

Charles A. Rupp, Second Lieutenant, with rank from March 27, 1871, vice Donald L. Cameron, removed from district.

Anthony Beilman, First Lieutenant, with rank from February 21, 1871, vice John Burgeman, promoted.

John Holmlund, Second Lieutenant, with rank from February 21, 1871, vice Anthony Beilman, promoted.

Jacob Iyring, Captain, with rank from March 24, 1871, vice Conrad Staffel, removed from State.

Albert H. Rings, Second Lieutenant, with rank from March 24, 1871, vice Julius Brauer, removed from State.

SEVENTY-FOURTH REGIMENT OF INFANTRY.

Wm. C. Phelps, Surgeon, with rank from February 21, 1871, vice V. Van Guysling, resigned.

Byron H. Daggert, Assistant Surgeon, with rank from February 21, 1871, vice Jesse I. Richards, promoted.

Louis Nagel, Captain, with rank from February 20, 1871, vice Frank Nagel, resigned.

EIGHTY-THIRD REGIMENT OF INFANTRY.

Wm. H. Braugham, Second Lieutenant, with rank from March 18, 1871, vice Jas. B. Shufelt, resigned.

EIGHTY-FOURTH REGIMENT OF INFANTRY.

John Fullerton, Captain, with rank from March 17, 1871, vice Wm. Atkinson, resigned.

John Burrowes, First Lieutenant, with rank from March 17, 1871, vice Chas Atkinson, resigned.

James McCandless, Second Lieutenant, with rank from March 17, 1871, vice John Broacher, resigned.

The following resignations of officers in the National Guard, State of New York, have been accepted during the same period :

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| April 7.... | 1 | 3 | 1 | William McKee..... | First Lieutenant. |
| do 8.... | 5 | 2 | 1 | Edward Treusch..... | Surgeon. |
| do 8.... | 84 | 2 | 1 | Peter Rogers..... | Captain. |
| do 10.... | 28 | 5 | 2 | Philip Brenner..... | Captain. |
| do 10.... | 13 | 5 | 2 | Chas. C. Tanner..... | Captain. |
| do 10.... | Battery B. | 10 | 3 | John Tallmadge..... | First Lieutenant. |
| do 10.... | 6 | 2 | 1 | Julius A. Levy..... | Second Lieutenant. |
| do 10.... | 96 | 2 | 1 | August Herrman..... | Assistant Surgeon. |
| do 10.... | 6 | 2 | 1 | Sam'l P. Vondersmith..... | Assistant Surgeon. |
| do 11.... | 84 | 2 | 1 | Andrew Patterson..... | Second Lieutenant. |
| do 11.... | 10 | 9 | 3 | Jas. A. Browne..... | Second Lieutenant. |
| do 11.... | 69 | 1 | 1 | Edward Duffy..... | First Lieutenant. |
| do 12.... | 7 | 3 | 1 | Charles Walke..... | First Lieutenant. |
| do 18.... | 83 | 13 | 3 | John McShea, Jr..... | Lieutenant-Colonel. |
| do 19.... | 44 | 28 | 6 | G. L. Kilmer..... | Captain. |
| do 29.... | 84 | 2 | 1 | Jas. Norval..... | Surgeon. |
| do 29.... | 11 | 2 | 1 | C. F. Baldenecker..... | Captain. |
| do 29.... | Cavalry. | 24 | 6 | David P. Fairchild..... | Second Lieutenant. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, 1871.

GENERAL ORDERS, Nos. 9 and 10.

Will not be published.

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *May* 24, 1871.

GENERAL ORDERS, No. 11.

The Adjutant-General, the Inspector-General and the Chief of Ordnance are hereby constituted a board to examine into the merits of various kinds of breech-loading rifle muskets, and to report the result of such examination to the Governor.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *June* 1, 1871.

GENERAL ORDERS, No. 12.

The following officers have been commissioned in the National Guard, State of New York, during the month of May, 1871 :

THIRD DIVISION.

Major Augustus P. Corse, Aide-de-Camp, with rank from May 26, 1871, vice E. W. Green, resigned.

### ELEVENTH BRIGADE.

Lieutenant-Colonel William R. Bunker, Assistant Adjutant-General, with rank from May 1, 1871, vice W. J. Irwin, resigned.

Major Theodore Linington, Inspector, with rank from May 1, 1871, vice H. J. Foster, resigned.

Captain Harold L. Crane, Aide-de-Camp, with rank from May 1, 1871, vice Theodore Linington, promoted.

Lieutenant George W Van Mater, Aide-de-Camp, with rank from May 1, 1871, vice H. L. Crane, promoted.

### SECOND BATTALION CAVALRY—TWENTY-FOURTH BRIGADE.

Lauren C. Kenyon, Second Lieutenant, with rank from May 19, 1871, vice D. P. Fairchilds, resigned.

William F. Weller, Captain, with rank from May 27, 1871, vice J. F. Moschell, promoted.

### BATTALION ARTILLERY—TWENTY-FOURTH BRIGADE.

Henry Wirges, First Lieutenant, with rank from April 12, 1871, vice Henry Wende, promoted.

Florence Meichel, Second Lieutenant, with rank from April 12, 1871, vice Vincent Roden, resigned.

August Miller, Adjutant, with rank from April 21, 1871, vice Frank Yehle, retired with former commander.

William Baumgross, Quartermaster, with rank from April 21, 1871, vice Nicholas Lehman, retired with former commander.

### BATTERY "C"—FIRST DIVISION.

Benjamin Hyde, First Lieutenant, with rank from March 31, 1871, vice Frederick Meyer, resigned.

### BATTERY "K"—FIRST DIVISION.

George Hillabrand, Second Lieutenant, with rank from April 12, 1871, vice Jacob Fuchs, resigned.

### BATTERY ARTILLERY—TWENTY-EIGHTH BRIGADE.

Charles W. Hausner, First Lieutenant, with rank from May 10, 1871 ; original.

Oscar S. Jennings, Second Lieutenant, with rank from May 10, 1871 ; original.

### FIRST REGIMENT OF INFANTRY

George F. Heil, First Lieutenant, with rank from April 24, 1871, vice J. J. McCheer, resigned.

John Lechtrecker, First Lieutenant, with rank from May 2, 1871, vice Charles W. Ferrette, promoted.

John A. Wallace, Second Lieutenant, with rank from May 4, 1871, vice C. R. Cross, removed from district.

### THIRD REGIMENT OF INFANTRY.

Henry Huss, Captain, with rank from April 21, 1871, vice J. C. Gepman, promoted.

Joseph Marz, First Lieutenant, with rank from April 21, 1871, vice Henry Huss, promoted.

Adam Palm, Jr., Second Lieutenant, with rank from April 21, 1871, vice William Schwarz, discharged.

Abraham Jones, Captain, with rank from April 23, 1871; original.

Lawsen Vaden, First Lieutenant, with rank from April 23, 1871; original.

Napoleon B. Young, Second Lieutenant, with rank from April 23, 1871; original.

### Fifth Regiment of Infantry.

Herman Koehler, Second Lieutenant, with rank from January 20, 1871, vice Wm. Rader, resigned.

Charles Koss, Captain, with rank from April 4, 1871, vice H. W. Burmester, deceased.

Wm. Brandis, First Lieutenant, with rank from March 27, 1871, vice Henry Otto, resigned.

### Sixth Regiment of Infantry.

Assor Greenebaume, Second Lieutenant, with rank from May 11, 1871, vice Julius A. Levy, resigned.

### Seventh Regiment of Infantry.

Milton B. Sweet, First Lieutenant, with rank from April 24th, 1871, vice J. H. Lounsbury, resigned.

Wm. Gayer Dominick, Second Lieutenant, with rank from April 24th, 1871, vice M. B. Sweet, promoted.

John A. Sniffen, First Lieutenant, with rank from May 3, 1871, vice Charles Walke, resigned.

Fred'k A. Goodwin, Second Lieutenant, with rank from May 3, 1871, vice J. A. Sniffen, promoted.

### Tenth Regiment of Infantry.

Joseph Z. St. Cyr, First Lieutenant, with rank from February 20, 1871, vice M. A. Craven, resigned.

Geo. W. Gray, Second Lieutenant, with rank from February 20, 1871, vice J. Z. St. Cyr, promoted.

John W. Mullens, Captain, with rank from February 3, 1871, vice Michael Scheidler, resigned.

### Twelfth Regiment of Infantry.

Wm. H. Kirby, Jr., Second Lieutenant, with rank from February 7, 1871, vice J. E. Walker, promoted.

### Twenty-second Regiment of Infantry.

David S. Brown, Lieutenant-Colonel, with rank from April 14, 1871, vice J. T. Camp, resigned.

William J. A. McGrath, Major, with rank from April 14, 1871, vice D. S. Brown, promoted.

### Twenty-fifth Regiment of Infantry.

Jacob F. Neef, Chaplain, with rank from September 1, 1870, vice Theo. Noethen, resigned.

John A. Tracey, First Lieutenant, with rank from April 20, 1871, vice William Quirk, resigned.

### Twenty-eighth Regiment of Infantry.

Anthony F. Heese, Second Lieutenant, with rank from April 28, 1871, vice August Koerner, promoted.

### FORTY-EIGHTH REGIMENT OF INFANTRY.

Michael T. Bough, Second Lieutenant, with rank from May, 24, 1871, vice Michael Glyn, failed to qualify.

### FIFTY-FOURTH REGIMENT OF INFANTRY.

Michael Englert, Second Lieutenant, with rank from April 25, 1871, vice Jacob Englert, resigned.

Frederick C. Schoen, Major, with rank from May 24, 1871, vice H. B. Henderson, declined to qualify.

### EIGHTY-THIRD REGIMENT OF INFANTRY.

John C. Perry, Lieutenant-Colonel, with rank from May 13, 1871, vice John McShea, Jr., resigned.

George W. Marlett, Major, with rank from May 27, 1871, vice J. C. Perry, promoted.

### EIGHTY-FOURTH REGIMENT OF INFANTRY.

James Kerr, Captain, with rank from February 20, 1871, vice Theodore McLeod, resigned.

John Cornish, First Lieutenant, with rank from February 20, 1871, vice Charles Eagleson, resigned.

William D. Walker, Chaplain, with rank from April 19, 1871, vice John N. McLeod, resigned.

Charles Butterfield, Second Lieutenant, with rank from May 11, 1871, vice E. Straight, resigned.

The following resignations in the National Guard, State of New York, have been accepted during the same period :

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871 | | | | | |
| May 2.... | 10 | 9 | 3 | E. W. Monteath..... | Commis. of Subsistence. |
| do 2.... | 10 | 9 | 3 | Wm. H. Jennings..... ... | First Lieutenant. |
| do 4.... | 54 | 25 | 7 | Wm. J. Winfield..... ..... | First Lieutenant. |
| do 15.... | 96 | 2 | 1 | E. W. Arfken..... | Captain. |
| do 15.... | 69 | 1 | 1 | John J. Harley..... | Captain. |
| do 16.... | 5 | 2 | 1 | Wm. Krumwiede..... .... | Captain. |
| do 18.... | 25 | 9 | 3 | Fred'k Gombel ..... ..... | First Lieutenant. |
| do 18.... | 25 | 9 | 3 | Chas. Schissler ..... | Second Lieutenant. |
| do 18.... | 25 | 9 | 3 | Joseph Fisher..... ..... | Captain. |
| do 23... | 19 | 22 | 5 | Peter M. Barclay..... ..... | Surgeon. |
| do 31... | 55 | 3 | 1 | A. E. Lambrecht..... | Second Lieutenant. |
| do 31. .. | 55 | 3 | 1 | F. Desrats ..... | First Lieutenant. |
| do 31.... | 55 | 3 | 1 | J. M. Dubois..... | Second Lieutenant. |
| do 31 ... | 6 | 2 | 1 | Isaac Schweizer ..... | Second Lieutenant. |
| do 31.... | 3 | 7 | 5 | Edward Patterson..... | Captain. |
| do 31 ... | 3 | 7 | 5 | John H. Stubbings..... .. | First Lieutenant. |
| do 31.... | 2d bat. cav. | 24 | 6 | D. P. Widrig..... | Captain. |
| do 31.... | Bat. Art. | 25 | 7 | James E. McNulty..... | Second Lieutenant. |
| do 31.... | 23 | 11 | 2 | John Thompson..... | First Lieutenant. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *June* 2, 1871.

General Orders,
No. 13.

With deep regret the Commander-in-Chief announces the death of Brigadier-General Louis Burger, in command of the Second Brigade.

General Burger was born in the Palatinate, and was educated as an engineer in the Polytechnic School of Munich. He came to this country in 1849, adopted the profession of architect, achieved success, won reputation, and gained great esteem among his fellow-citizens. He was devoted to the interests of his adopted country, had long taken an active part in the National Guard, was Colonel of the Fifth Regiment for several years, doing service in the field for a time in our late civil war.

Both as a citizen and soldier his memory claims from the Commander-in-Chief and from the National Guard this public tribute of respect.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *July* 1, 1871.

General Orders,
No. 14.

The following officers have been commissioned in the National Guard, State of New York, during the month of June, 1871:

### Third Division.

Major Isaac F. Handy, Aide-de-Camp, with rank from June 17, 1871, vice A. De Forest Gale, resigned.

### Third Regiment of Cavalry.

Wm. E. Burkhardt, Captain, with rank from February 14, 1871, vice Wm. Winges, removed from district.

John G. Loeser, First Lieutenant, with rank from February 14, 1871, vice Wm. E. Burkhardt, promoted.

John I. Schacht, Captain, with rank from March 7, 1871, vice J. I. Schacht, re-elected.

John Carl, Captain, with rank from March 1, 1871, vice R. Boehm, resigned.

George Richard, First Lieutenant, with rank from March 1, 1871, vice Ph. Mead, resigned.

George Springer, Second Lieutenant, with rank from March 1, 1871, vice John Carl, promoted.

### First Regiment of Infantry.

Emile D. Francoise, Second Lieutenant, with rank from May 11, 1871, vice A. Spooner, resigned.

### Ninth Regiment of Infantry.

Alonzo P. Bacon, First Lieutenant, with rank from March 27, 1871, vice Robert Cable, promoted.

James A. Mulligan, Second Lieutenant, with rank from March 27, 1871, vice A. P. Bacon, promoted.

George W. Palfrey, Second Lieutenant, with rank from May 2, 1871, vice E. C. Morse, commission vacated.

### TENTH REGIMENT OF INFANTRY.

James H. Coyle, First Lieutenant, with rank from June 9, 1871, vice W. H. Jennings, resigned.

### NINETEENTH REGIMENT OF INFANTRY.

Edward D. Hayt, Second Lieutenant, with rank from March 7, 1871, vice J. P. Vought, promoted.

### TWENTY-SECOND REGIMENT OF INFANTRY.

John Briggs, Captain, with rank from June 5, 1871, vice W. J. A. Magrath, promoted.

Henry M. Knapp, Second Lieutenant, with rank from June 5, 1871, vice John Briggs, promoted.

### TWENTY-FOURTH REGIMENT OF INFANTRY.

William Pettis, Captain, with rank from May 11, 1871; original.

Geo. S. Page, First Lieutenant, with rank from May 11, 1871; original.

Wm. D. Kieth, Second Lieutenant, with rank from May 11, 1871; original.

### TWENTY-FIFTH REGIMENT OF INFANTRY.

Henry G. Gomble, Captain, with rank from May 25, 1871, vice J. Fisher, resigned.

Wm. Scheffler, First Lieutenant, with rank from May 25, 1871, vice H. G. Gomble, promoted.

Rudolph C. Wilke, Second Lieutenant, with rank from May 25, 1871, vice C. Schissler, resigned.

### TWENTY-EIGHTH REGIMENT OF INFANTRY.

John Schweizer, Captain, with rank from May 25, 1871, vice Philip Brenner, resigned.

John Williams, First Lieutenant, with rank from May 25, 1871, vice John Schweizer, promoted.

### THIRTY-SECOND REGIMENT OF INFANTRY.

Henry Loewenstein, Assistant Surgeon, with rank from April 22, 1871, vice H. Hirshfield, promoted.

### FIFTY-FIRST REGIMENT OF INFANTRY.

Ami Marquisee, Adjutant, with rank from May 1, 1871, vice G. H. Deitz, resigned.

Gottlieb Hirsch, Second Lieutenant, with rank from May 17, 1871, vice Philip Schuy, resigned.

### FIFTY-FOURTH REGIMENT OF INFANTRY.

John N. Weitzel, Captain, with rank from June 2, 1871, vice F. C. Schoen, promoted.

Peter Reinhart, First Lieutenant, with rank from June 2, 1871, vice J. N. Weitzel, promoted.

Jacob Renner, Second Lieutenant, with rank from June 2, 1871, vice P. Reinhart, promoted.

### Sixty-ninth Regiment of Infantry.

Wm. F. Seymour, First Lieutenant, with rank from April 25, 1871, vice M. McDonnell, promoted.

### Seventy-first Regiment of Infantry.

Emile Cardoze, Second Lieutenant, with rank from May 22, 1871, vice T. W. Love, resigned.

Samuel C. Smith, Second Lieutenant, with rank from June 6, 1871, vice Jno. A. Riggins, resigned.

### Seventy-fourth Regiment of Infantry.

Wm. Willgansz, First Lieutenant, with rank from April 24, 1871, vice George P. Pfeiffer, resigned.

Frank W. Rodney, Second Lieutenant, with rank from April 24, 1871, vice Louis Nagel, promoted.

### Eighty-third Regiment of Infantry.

Henry Lindsey, Captain, with rank from June 6, 1871, vice Jno. Warner, promoted.

Lester Morse, First Lieutenant, with rank from June 6, 1871, vice Henry Lindsey, promoted.

Henry Fonda, Second Lieutenant, with rank from June 6, 1871, vice Lester Morse, promoted.

### Eighty-fourth Regiment of Infantry.

Peter Macdonald, Captain, with rank from May 29, 1871, vice J. A. Macdonald, resigned.

Alexander Boyd, Second Lieutenant, with rank from June 12, 1871, vice William Egbert, declined.

### Ninety-sixth Regiment of Infantry.

Conrad Schullian, First Lieutenant, with rank from March 31, 1871, vice Conrad Doell, resigned.

Max Wolfensberger, Second Lieutenant, with rank from May 1, 1871, vice Joseph Bauer, resigned.

The following resignations in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| June 2 | 71 | 1 | 1 | Samuel W. Osgood | Captain. |
| do 20 | 54 | 25 | 7 | Thomas F. McCracken | First Lieutenant. |
| do 20 | 7 | 3 | 1 | John C. Barron | Surgeon. |
| do 21 | 22 | 1 | 1 | Edward Bussel | First Lieutenant. |
| do 21 | 69 | 1 | 1 | Edwin M. Neville | Adjutant. |
| do 21 | 3d Cav. | 2 | 1 | Wm. Rathjen | First Lieutenant. |
| do 21 | 11 | 2 | 1 | Frank Dudenhoefer | First Lieutenant. |
| do 21 | 84 | 2 | 1 | Jos. A. Macdonald | Captain. |
| do 23 | 74 | 31 | 8 | S. F. Sherman | First Lieutenant. |
| do 23 | 74 | 31 | 8 | J. A. Gault | Lieutenant-Colonel. |
| do 23 | 74 | 31 | 8 | Charles Gies | Second Lieutenant. |
| do 23 | 65 | 31 | 8 | Hugo F. Loepert | Captain |
| do 23 | 65 | 31 | 8 | Gustav R. Waldo | First Lieutenant. |
| do 23 | ..... | 21 | 6 | Henry S. Miller | Aide-de-Camp. |
| do 23 | ..... | 21 | 6 | M. Calvin West | Surgeon. |
| do 28 | 10 | 9 | 3 | John A. Marlow | First Lieutenant. |
| do 29 | ..... | .... | 3 | A. De Forest Gale | Aide-de-Camp. |
| do 29 | 3d Cav. | 2 | 1 | Henry Wisser | Major. |
| do 29 | 12 | 1 | 1 | Charles Greer | First Lieutenant. |
| do 29 | 5 | 2 | 1 | Henry C. Hintze | Second Lieutenant. |
| do 29 | 96 | 2 | 1 | Wm. Kuhns | First Lieutenant. |
| do 29 | 96 | 2 | 1 | John Kessler | First Lieutenant. |
| do 29 | 96 | 2 | 1 | F. Seidel | Adjutant. |
| do 29 | 96 | 2 | 1 | Wm. Winckel | Captain. |

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *July* 15, 1871.

GENERAL ORDERS, No. 15.

The Governor and Commander-in-Chief desires to express his thanks to Major-General Alexander Shaler and the officers and soldiers of the National Guard under his command, for their services during the riots in the city of New York on the twelfth instant.

The promptitude with which the several organizations responded to the call for the severe duty of the day sustained the reputation earned by them for patriotic devotion to the cause of order and good government. They have demonstrated anew the value of a well regulated militia to the security of a free State.

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *August* 1, 1871.

GENERAL ORDERS, No. 16.

The following officers have been commissioned in the National Guard, State of New York, during the month of July, 1871:

TENTH BRIGADE.

Captain John Tallmadge, Quartermaster, with rank from July 29, 1871, vice H. S. Church, resigned.

TWENTY-SECOND BRIGADE.

David A. Scott, Judge-Advocate, with rank from March 1, 1871, vice James W. Taylor, resigned.

George W. Leonard, Quartermaster, with rank from March 1, 1871, vice David A. Scott, promoted.

Arthur V. Wiltsie, Aide-de-Camp, with rank from February 1, 1871, vice David Brown, promoted.

BATTERY B, TENTH BRIGADE.

E. W. Millard, Second Lieutenant, with rank from October 14, 1870, vice A. W. Ford, resigned.

John R. Whitehead, Second Lieutenant, with rank from April 6, 1871, vice A. H. Green, promoted.

Albert H. Green, First Lieutenant, with rank from April 6, 1871, vice John Tallmadge, promoted.

SIXTH REGIMENT OF INFANTRY.

Daniel Seckles, Second Lieutenant, with rank from July 20, 1871, vice Isaac Schweizer, resigned.

EIGHTH REGIMENT OF INFANTRY.

James Bryan, First Lieutenant, with rank from June 6, 1871, vice Michael Roche resigned.

William H. Regan, Second Lieutenant, with rank from June 6, 1871, vice E. W. Cook, failed to qualify.

THIRTEENTH REGIMENT OF INFANTRY.

James J. Boylan, Second Lieutenant, with rank from May 22, 1871, vice Nelson C. Marcellis, resigned.

TWENTY-THIRD REGIMENT OF INFANTRY.

John Merritt, First Lieutenant, with rank from July 10, 1871, vice Charles West, promoted.

Rufus F. Zogbaum, Second Lieutenant, with rank from July 10, 1871, vice Charles West, promoted.

John W. Marshall, First Lieutenant, with rank from June 19, 1871, vice John Thompson, resigned.

TWENTY-FOURTH REGIMENT OF INFANTRY.

William A. Rousseau, Quartermaster, with rank from July 4, 1871, vice A. P. Corse, promoted.

TWENTY-SIXTH BATTALION OF INFANTRY.

John Peattie, Major, with rank from July 21, 1871; original.

FORTY-SEVENTH REGIMENT OF INFANTRY.

William H. King, Captain, with rank from June 19, 1871, vice George E. Orton, promoted.

FIFTIETH REGIMENT OF INFANTRY.

Captain Charles H. Fish, Assistant Commissary of Subsistence, with rank from April 22, 1871 ; original.

SIXTY-NINTH REGIMENT OF INFANTRY.

Frederick T. Goggin, Adjutant, with rank from June 30, 1871, vice E. M. Neville, resigned.

Thomas Dempsey, Lieutenant-Colonel, with rank from June 29, 1871, vice P. A Hargous, resigned.

SEVENTY-FIRST REGIMENT OF INFANTRY.

Theodore V. Smith, First Lieutenant, with rank from July 6, 1871, vice W. A Elmer, resigned.

SEVENTY-FOURTH REGIMENT OF INFANTRY.

Lewis M. Evans, Lieutenant-Colonel, with rank from July 3, 1871, vice Joseph A. Gault, resigned.

Wm. B. Sirret, Major, with rank from July 3, 1871, vice L. M, Evans, promoted.

John O'Brian, Captain, with rank from July 15, 1871; original.

James A. Campbell, First Lieutenant, with rank from July 15, 1871 ; original.

EIGHTY-THIRD REGIMENT OF INFANTRY.

Leslie Fuller, Captain, with rank from July 31, 1871 ; original.

Ezekiel Hillyer, First Lieutenant, with rank fom July 31, 1871 ; original.

Henry Lohmeyer, Second Lieutenant, with rank from July 31, 1871; original.

EIGHTY-FOURTH REGIMENT OF INFANTRY.

Frank Le Roy Satterlee, Surgeon, with rank from April 19, 1871, vice James Norval, resigned.

Clarence Satterlee, Assistant Surgeon, with rank from April, 19, 1871, vice James Quee, resigned.

NINETY-FIRST REGIMENT OF INFANTRY.

John B. Lemon, First Lieutenant, with rank from July 19, 1871, vice W. H. Brundage, removed from State.

NINETY-SIXTH REGIMENT OF INFANTRY.

Geo. F. Williams, Captain, with rank from June 23, 1871, vice E. W. Arfken, resigned.

The following resignations in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| July 21..... | 28 | 5 | 2 | Charles Horney ..... ... | First Lieutenant. |
| do 21..... | 23 | 11 | 2 | Isaac H. Cary..... | First Lieutenant. |
| do 21..... | ..... | 24 | 6 | E. W. Longstreet ..... | Quartermaster. |
| do 26..... | 2d bat. cav. | 9 | 3 | Daniel M. Stimson. - ..... | Surgeon. |
| do 26..... | 10 | 5 | 2 | A. H. Purdy..... | Ordnance Officer. |
| do 26..... | 25 | 9 | 2 | J. D. Buerger ..... | Captain. |
| do 26..... | 25 | 9 | 3 | Alexander Endres..... | First Lieutenant. |
| do 29..... | 72 | 1 | 1 | Alfred Spear . ..... | Captain. |
| do 29..... | 1s tregt. cav | 1 | 1 | Christopher Korner..... | Quartermaster. |
| do 29..... | 25 | 9 | 3 | Robert Shafer..... | Second Lieutenant. |
| do 29..... | 25 | 9 | 3 | George Apple..... | First Lieutenant. |
| do 29..... | 25 | 9 | 3 | Anthony Wilpers..... ..... | Second Lieutenant. |
| do 29..... | 10 | 9 | 3 | J. G. Farnsworth .... ..... | Colonel. |
| do 31..... | 44 | 28 | 6 | A. T. Eggleston..... ... | Adjutant. |
| do 31..... | 74 | 31 | 8 | A. C. Hudson .... ..... | First Lieutenant. |
| do 31..... | 9 | 3 | 1 | Edward Wm. Francis..... ..... | First Lieutenant. |
| do 31..... | 1 | 1 | 1 | John K. Perley..... | Colonel. |
| do 31..... | 9 | 3 | 1 | Thomas J. Robertson..... | Second Lieutenant. |
| do 31..... | 6 | 2 | 1 | William Hesse..... ..... | Captain. |

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
AUJUTANT-GENERAL'S OFFICE, ALBANY, *October* 1, 1871.

GENERAL ORDERS, No. 17.

The following officers have been commissioned in the National Guard, State of New York, during the months of August and September, 1871:

SECOND BRIGADE.

Brigadier-General Augustus Funk, with rank from August 17, 1871, vice L. Burger, deceased.

Lieutenant-Colonel Chas. J. Smith, Assistant Adjutant-General, with rank from August 17, 1871; new appointment.

Major John Sattig, Engineer, with rank from August 17, 1871; new appointment.

Major Aug. F. Frech, Surgeon, with rank from August 17, 1871; new appointment.

Major Jno. R. Fellows, Judge-Advocate, with rank from August 17, 1871; new appointment.

Captain Jno. T. Smith, Ordnance Officer, with rank from August 17, 1871 ; new appointment.

Captain Ephraim R. Steinhardt, Quartermaster, with rank from August 17, 1871; new appointment.

Captain Jacob W. Scheu, Commissary, with rank from August 17, 1871; new appointment.

Captain Jno. H. French, Aide-de-Camp, with rank from August 17, 1871; new appointment.

First Lieutenant Wm. D. Bruns, Aide-de-Camp, with rank from August 17, 1871; new appointment.

FIFTH BRIGADE.

First Lieutenant Joseph Lee, Jr., Aide-de-Camp, with rank from August 15, 1871, vice W. H. Coughlin, promoted.

TWENTY-FIRST BRIGADE.

Major Edwin Hutchinson, Surgeon, with rank from June 12, 1871, vice M. C. West, resigned.

FIRST REGIMENT OF CAVALRY.

Henry Richers, Quartermaster, with rank from September 4, 1871, vice Christopher Korner, resigned.

THIRD REGIMENT OF CAVALRY.

Martin A. Cape, First Lieutenant, with rank from July 27, 1871, vice Wm. Rathjen, resigned.

Andreas Weisbrod, Second Lieutenant, with rank from July 27, 1871, vice M. A. Cape, promoted.

SECOND BATTALION CAVALRY—TWENTY-FOURTH BRIGADE.

Geo. W. Chase, Quartermaster, with rank from August 7, 1871, vice E. W. Longstreet, resigned.

BATTALION ARTILLERY—TWENTY-FIFTH BRIGADE.

John C. Martin, First Lieutenant, with rank from June 27, 1871, vice E. J. Kelby, promoted.

Wm. J. Steinhauser, Second Lieutenant, with rank from June 27, 1871, vice E. J. McNulty, resigned.

BATTERY B—FIRST DIVISION.

Edward L. Wuebber, First Lieutenant, with rank from August 7, 1871, vice H. C. A. Kasschau, resigned.

FIRST REGIMENT OF INFANTRY

Peter J. Martin, Captain, with rank from July 3, 1871, vice J. H. Swartz, removed from district.

THIRD REGIMENT OF INFANTRY.

Edward Underhill, First Lieutenant, with rank from August 17, 1871, vice Jasper Pryor, removed from State.

Caleb W. Storms, Captain, with rank from August 19, 1871, vice E. Patterson, resigned.

George D. Cypher, Second Lieutenaut, with rank from August 19, 1871, vice C. W. Storms, promoted.

William C. Broughton, First Lieutenant, with rank from August 29, 1871, vice J. H. Stubbings, resigned.

Franklin B. Davis, Second Lieutenant, with rank from August 29, 1871, vice W. C. Broughton, promoted.

### Fifth Regiment of Infantry.

William P. Rinkhoff, Second Lieutenant, with rank from August 3, 1871, vice H. C. Hintze, resigned.

### Sixth Regiment of Infantry.

John M. Hermes, Captain, with rank from September 5, 1871, vice William Hesse, resigned.

Conrad H. Maseman, Second Lieutenant, with rank from September 5, 1871, vice J. M. Hermes, promoted.

### Ninth Regiment of Infantry.

Captain Henry Harley, Assistant Commissary of Subsistence, with rank from July 17, 1871, vice B. W. Blanchard, promoted.

### Twelfth Regiment of Infantry.

Edward Fackner, First Lieutenant, with rank from August 23, 1871, vice Charles Greer, resigned.

### Nineteenth Regiment of Infantry.

R. V. K. Montfort, Surgeon, with rank from June 26, 1871, vice P. M. Barclay, resigned.

J. De Forest Nichols, Assistant Surgeon, with rank from June 26, 1871, vice Thomas M. Millspaugh, resigned.

Robert Kernochen, Captain, with rank from August 7, 1871, vice R. Kernochan, cashiered.

### Twentieth Regiment of Infantry.

David S. Hasbrouck, Adjutant, with rank from August 30, 1871, vice G. B. Mulks, resigned.

### Twenty-first Regiment of Infantry.

Alexander Near, Captain, with rank from August 24, 1871, vice N. R. Hutton, resigned.

Jacob W. Stall, Second Lieutenant, with rank from August 24, 1871, vice A. Near, promoted.

Louis Haubennestel, Second Lieutenant, with rank from August 9, 1871, vice A. Sherman, promoted.

### Twenty-second Regiment of Infantry.

Captain Charles F. Roberts, Assistant Surgeon, with rank from March 17, 1870 re-commissioned, chapter 80, Laws 1870.

### Twenty-fourth Regiment of Infantry.

Thomas J. Gilcoyne, Second Lieutenant, with rank from July 31, 1871, vice H. J. Sheldon, resigned.

### Thirty-second Regiment of Infantry.

Nicholas Laul, Captain, with rank from September 16, 1871, vice George Giehl, cashiered.

FORTY-FOURTH REGIMENT OF INFANTRY.

Mason F. Tupper, Second Lieutenant, with rank from August 19, 1871, vice F. Meyers, removed from State.

FORTY-SEVENTH REGIMENT OF INFANTRY.

William Heerdt, Jr., Second Lieutenant, with rank from September 4, 1871, vice W. E. Chapman, resigned.

FORTY-EIGHTH REGIMENT OF INFANTRY.

Edwin H. Boyd, Assistant Surgeon, with rank from July 14, 1871, vice A. H. Tankie, removed from district.

FORTY-NINTH REGIMENT OF INFANTRY.

James E. Tournier, Captain, with rank from March 6, 1871, vice William Ferguson, resigned.

George Mallilieu, First Lieutenant, with rank from February 15, 1871, vice J. S. Goodrich, failed to qualify.

Jacob J. Moak, First Lieutenant, with rank from July 1, 1871; original vacancy.

Henry C. Cobb, Second Lieutenant, with rank from February 15, 1871, vice Geo. Mallilieu, promoted.

Samuel L. Bradburn, Second Lieutenant, with rank from July 1, 1871; original vacancy.

Richard Morgan, Quartermaster, with rank from January 2, 1871, vice R. B. Swift, failed to qualify.

Jay E. Storke, Adjutant, with rank from May 23, 1871, vice J. W. Haight, Jr., resigned.

FIFTY-FOURTH REGIMENT OF INFANTRY.

Parson G. Udell, Assistant Surgeon, with rank from May 15, 1871; original vacancy.

John Burgess, First Lieutenant, with rank from August 17, 1871, vice Thomas McCracken, resigned.

Everett C. Bradstreet, Captain, with rank from September 20, 1871, vice R. J. Lester, resigned.

Frank Groh, Second Lieutenant, with rank from September 20, 1871, vice E. C. Bradstreet, promoted.

FIFTY-FIFTH REGIMENT OF INFANTRY.

John H. Pake, Adjutant, with rank from August 3, 1871, vice C. W. Fuller, promoted.

William Roll, Second Lieutenant, with rank from August 14, 1871, vice F. Gebhard, promoted.

SIXTY-NINTH REGIMENT OF INFANTRY.

Timothy J. Flannery, Captain, with rank from August 14, 1871, vice Thomas Dempsey, promoted.

SEVENTY-FIRST REGIMENT OF INFANTRY.

George A. J. Norman, Adjutant, with rank from September 1, 1871, vice. A. T. Francis, resigned.

### Seventy-fourth Regiment of Infantry.

Hiram G. Nolton, Quartermaster, with rank from July 10, 1871, vice W. B. Serrett, promoted.

### Seventy-ninth Battalion of Infantry.

Joseph Conley, First Lieutenant, with rank from August 10, 1871, vice A. Steele, resigned.

William Pearson, Second Lieutenant, with rank from August 10, 1871, vice Th. B. Allen, deceased.

### Eighty-third Regiment of Infantry.

Michael H. Lamp, Adjutant, with rank from August 18, 1871, vice George W. Marlett, promoted.

The following resignations in the National Guard, State of New York, have been accepted during the same period :

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Aug. 5.... | Bat. artil'y | 25 | 7 | F. W. Parmelee | Second Lieutenant. |
| do 5.... | 71 | 1 | 1 | A. T. Francis | Adjutant. |
| do 8 ... | 74 | 31 | 8 | Joseph Wolf | Captain. |
| do 9... | 51 | 24 | 6 | Sidney Williams | Second Lieutenant. |
| do 23.... | 24 | 10 | 3 | Harvey S. Sheldon | Second Lieutenant. |
| do 23.... | 54 | 25 | 7 | H. H. Von Dolah | First Lieutenant. |
| do 23.... | 54 | 25 | 7 | E. Blackford | First Lieutenant. |
| do 23.... | 54 | 25 | 7 | Robert J. Lester | Captain. |
| Sept. 5.... | 21 | 8 | 5 | N. R. Hutton | Captain. |
| do 6.... | 25 | 9 | 3 | George C. Nichols | Captain. |
| do 6 ... | ..... | 1 | 1 | George O. Starr | Surgeon. |
| do 6.... | 79 | 1 | 1 | George C. Gourlay | First Lieutenant, |
| do 7.... | 79 | 1 | 1 | P. L. Buchanan | Second Lieutenant. |
| do 7 ... | 22 | 1 | 1 | Theo. P. Austin | Second Lieutenant. |
| do 8.... | 20 | 8 | 5 | George B. Maulks | Adjutant. |
| do 8.... | 8 | 3 | 1 | D. P. Arnold | Quartermaster. |
| do 20.... | 86 | 8 | 5 | Jacob H. Meech | Colonel. |
| do 20. .. | 79 | 1 | 1 | James K. C. Walker | Assistant Surgeon. |
| do 22.... | 49 | 23 | 6 | J. W. Haight, Jr | Adjutant. |
| do 22 ... | 49 | 23 | 6 | Lewis W. Eaton | Second Lieutenant. |
| do 22.... | 49 | 23 | 6 | William Ferguson | Captain. |
| do 22 ... | 84 | 2 | 1 | John J. Farrell | First Lieutenant. |
| do 22.... | 84 | 2 | 1 | Peter Macdonald | Captain. |
| do 22.... | 84 | 2 | 1 | John N. Macklin | Second Lieutenant. |
| do 22.... | 1st cavalry | 1 | 1 | Adam Hamm | Captain. |
| do 22.... | Bat. artil'y | 25 | 7 | Thomas L. Barnes | First Lieutenant. |
| do 26.... | 32 | 11 | 2 | Herrman Hirshfield | Surgeon. |
| do 26.... | Ho. batte'y | 11 | 2 | John H. Cameron | First Lieutenant. |
| do 26.... | ..... | 5 | 2 | Gerard M. Stevens | Judge-Advocate. |
| do 26.... | Bat. cav'y. | 24 | 6 | Ralph Lissman | Commissary. |
| do 26.... | do | 24 | 6 | Jacob Goettel, Jr | First Lieutenant. |
| do 26.... | 20 | 8 | 5 | L. B. Van Wagenen | Captain. |
| do 26.... | 74 | 31 | 8 | Charles A. House | Captain. |
| do 26.... | 83 | 13 | 3 | Abram Becker | First Lieutenant. |
| do 29.... | 47 | 11 | 2 | R. Lloyd Roberts | First Lieutenant. |
| do 30.... | Tr. cav'y. | 5 | 2 | Francis H. Kayser | Captain. |
| do 30.... | do | 5 | 2 | Joseph Schack | Second Lieutenant. |
| do 30.... | 28 | 5 | 2 | Francis Naumer | Captain. |
| do 30.... | 13 | 5 | 2 | William A. Cameron | First Lieutenant. |
| do 30.... | 47 | 11 | 2 | Ambrose E. Barnes | First Lieutenant. |
| do 30.... | 3d cavalry. | 2 | 1 | Eide H. Schmultz | First Lieutenant. |

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *October* 9, 1871.

GENERAL ORDERS, No. 18.

I. The Commander-in-Chief has had under consideration the appeal of First Lieutenant Charles C. Nichols from the decision of Brigadier-General D. M. Woodhall, confirming the election of Lieutenant-Colonel Daniel S. Benton as Colonel of the Tenth Regiment, Ninth Brigade, and Third Division National Guard of the State of New York, and has dismissed the same, for the reasons contained in the following opinion of the Judge-Advocate-General:

OFFICE OF JUDGE-ADVOCATE-GENERAL, S. N. Y.,
NEW YORK, *September* 30, 1871.

Col. J. B. STONEHOUSE,
*Assistant Adjutant-General, Albany.*

COLONEL.—I have the honor to acknowledge the receipt, on the 19th instant, of your reference, for my examination and report, of the letter to His Excellency the Commander-in-Chief, of J. H. Wood, Esq., counsel for Lieutenant C. C. Nichols, "A" Company, Tenth Regiment, National Guard, S. N. Y., transmitting the appeal of that officer from the decision of Brigadier-General D. M. Woodhall, commanding the Ninth Brigade, approving of the election to fill a vacancy caused by the resignation of Colonel J. G. Farnsworth, held August 5, 1871, and submitting statements of fact and argument in writing. I have also received the evidence and finding of Brigadier-General Woodhall in relation to the election appealed from.

I have examined the voluminous record and finding, as well as the argument of Mr. Wood, with care, and have the honor to submit the following report.

From the record of the proceedings of the election held on the 5th day of August, 1871, and the testimony thereafter taken by the officer who presided at the election, the following facts appear:

That, on August 1st, 1871, notice of election was issued by Lieutenant-Colonel Benton, commanding the Tenth Regiment of the National Guard, S. N. Y., to the commissioned officers of said regiment, for an election for colonel of that regiment, to be held on the 5th day of August. The notice also shows that Thomas Stewart was designated to serve the notices of this election on all the commissioned officers of the regiment *at least five days* before the day fixed for the election.

On the evening of the 5th of August a meeting of the officers of the regiment was held at the place designated in the notice, and was presided over by Brigadier-General D. M. Woodhall, commanding the Ninth Brigade, National Guard S. N. Y. At that meeting Lieutenant-Colonel Benton made an oral return on honer to the presiding officer, "That all the officers entitled to vote at an election to fill a vacancy caused by the resignation of Colonel Farnsworth, Tenth Infantry, were duly notified," and thereupon the election was proceeded with.

From the return of the presiding officer it appears that the vote stood as follows: D. S. Benton, 15; G. H. Treadwell, 8; F. Townsend, 1; Protest, 1; making a total of twenty-five who were present and voted. Did not vote, Captain Schiedler; absent, Captain C. E. Davis and Lieutenant Nichols.

Total number of officers notified and entitled to vote, twenty-eight. And that, thereupon, D. S. Benton having received a majority of all the votes entitled to be cast at such election, was, by the presiding officer, declared to be duly elected Colonel of said regiment, and the meeting adjourned.

On the 10th of August Lieutenant Nichols appealed to the presiding officer against the election of Lieutenant-Colonel Benton as Colonel, on the ground "that the proper notice was not served upon me five days before the said election, as provided by the Military Code of the State of New York."

On August 17th Brigadier-General Woodhall ordered the appellant and Lieutenant-Colonel Benton to appear before him on August 19th, with their witnesses, to answer such questions as might be asked in relation to the appeal.

On August 19th, the hearing on the appeal was commenced, before Brigadier-General Woodhall, and a special judge-advocate sworn. Thereupon, Lieutenant Nichols demanded the right to appear by counsel, which demand was refused. The examination of Lieutenant Nichols was then partially proceeded with, and the further hearing adjourned to August 25th. On August 25th, Lieutenant Nichols was recalled; his examination proceeded with but not concluded. Captain Hamilton was also examined on that evening, as was also Adjutant Fitch, in behalf of the appellant. So, also, was Lieutenant-Colonel Benton examined in his own behalf, and the further hearing adjourned to August 31st, when the case was closed, and the decision of the Brigadier-General reserved. On September 8th, the Brigadier-General rendered his decision, confirming the election of Lieutenant-Colonel Benton as Colonel of the Tenth regiment, and assigned his reasons therefor.

On September 15th, the appeal of Lieutenant Nichols was presented to His Excellency the Commander-in-Chief, by his counsel J. H. Wood, Esq., and was, by the Commander-in-Chief, referred to the Adjutant-General with directions to report his opinion, together with the opinion of the Judge-Advocate-General.

The facts disclosed by the record show that none of the requirements of the Code in relation to notifying the officers entitled to vote at this election were strictly complied with. The notice for the election bears date August 1st, and the time of the election is therein fixed for August 5th, only *four* days thereafter, while section 72 of the Code requires "That the notice shall specify the time and place of holding the election and be served at least five days *before* such election shall take place."

It does not appear, however, that any objection was taken at the election, by any one present at the election, on the ground of insufficiency of notice; and the presence of twenty-six out of twenty-eight officers elected to vote at such election was a waiver of any irregularity of notice on their part.

The question presented in the appeal is, therefore, was the failure to notify Lieutenant Nichols, five days before the election, sufficient ground to justify the Commander-in-Chief in refusing to approve of the election of Lieutenant-Colonel Benton?

In order to determine this, it will be useful to consider the facts in relation to the service of notice on Lieutenant Nichols.

I find from the testimony submitted to me, that Lieutenant Nichols was not notified until August 2d, and, therefore, not five days before the election. But it further appears, from the testimony taken in the case, that Lieutenant Nichols was absent from the city of Albany on the 1st day of August, returned on the 2d, and remained in Albany until the afternoon of the 4th, and that he duly received his notice of the election on the 2d day of August for the 5th of that month. Notwithstanding this insufficient notice, in conversation with Lieutenant-Colonel Benton, Lieutenant Nichols, on the 2d or 3d of August, promised him to attend the election, and gave his word of honor that he would vote for him. The testimony of Lieutenant Nichols on this point is evasive and unsatisfactory, but on the whole

I am satisfied that the above facts are true. He, Lieutenant N., notwithstanding this promise, left the city before the election, and was not present thereat.

Lieutenant Nichols now appeals from the decision of the Brigadier-General who presided at the election; and his reasons and conclusions on appeal, and through his counsel, urge eight several grounds of error.

While I cannot assent to all the conclusions arrived at by Brigadier-General Woodhall in his circular of September 8th, I am of opinion that his decision of the material point involved in the appeal is correct, and that the election of Lieutenant-Colonel Benton, as Colonel of the Tenth Regiment, was legal and should be approved. This conclusion renders it unnecessary for me to discuss either all the points made in Brigadier-General Woodhall's decision, or urged by the counsel for the appellant. I will, therefore, only notice what I consider the material points at issue.

The ground taken by the appellant is that the election in question is void because "the proper notice was not served upon him five days before said election, as provided by the Military Code of the State of New York."

The want of due service of notice on the appellant is admitted on both sides, but I am of opinion that this omission was not such a defect as would, *under the circumstances disclosed in the record*, render the election void. I think that the appellant, in order to defeat this election, must show that a number of votes sufficient to change the result of the election had not been properly notified. But I hold that the twenty-six officers present were properly notified to all intents and purposes, since by their presence they waived their right "*to take exception to the want of legal notice.*" (See section 78, Military Code.)

All the irregularities as to defect of service and want of proper return were waived by those twenty-six officers. It appears by the papers in the case that of the officers present fifteen were for Lieutenant-Colonel Benton—a clear majority of all the officers, twenty-eight in number, entitled to vote. The appellant is therefore not warranted in considering himself aggrieved by the proceedings or by the want of five days' notice, especially as he admits he had notice amply sufficient to have enabled him to have attended the election if he so desired; and the whole testimony shows that his objection to the sufficiency of his notice was merely an afterthought. And besides, his presence and that of the other absentees could not possibly have changed the result.

In arriving at this conclusion, I have been guided by the very rule laid down and so strenuously urged by the appellant's counsel, which I believe to be the correct one, namely, that this election should be governed "by the same rule as obtains in the civil courts in the construction of statutes affecting the meetings of corporate bodies for the purpose of electing officers."

It will be seen, by reference to the decisions in such cases, that an election will not be set aside for every defect or irregularity or for every non-compliance with the directions of the statute.

In order to set aside the election it must appear that the defect or omission is such a one as would be fatal. The case of the People v. Tuttle (31 N. Y., 550) is in point, where the Court of Appeals held the election of officers of a religious body should not be set aside because illegal votes were received, unless it further appeared that the exclusion of such votes would have changed the result. In *ex parte* Murphy (7 Cowen, 153), at an annual election of St. Peter's Church in the city of New York, holden for the choice of four trustees, eight persons were voted for, four of whom

had 102 votes and four 100. The voting was by ballot. The inspectors having certified that the four having 102 were duly elected, a motion was made for leave to file an information in the nature of a *quo warranto* against them as unduly elected. One ground of the motion was, that two ballots were put into the box in the names of two persons who were formerly voters, but who had died some weeks before the day of election. The fact was not discovered until after the inspectors had given their certificate, nor did it, at the trial, appear to whom the two latter votes were given. The court held that "the motion must be denied; for aught that appears, the spurious ballots were for the ticket that was in the minority. To warrant setting aside the election it must appear affirmatively that the successful ticket received a number of improper votes, which, if rejected, would have brought it down to a minority. The mere circumstance that improper votes are received will not vitiate an election."

So it has been held that the mode of procedure prescribed by the statute is *directory* merely, and that an election will not be set aside for non-compliance therewith, unless it appears that a compliance with the requirements of the statute would have produced a different result. Thus, where the inspectors were not sworn in the form prescribed by the statute, but proceeded to act as inspectors, and where also no oath at all was administered to them, the court refused to set aside the election. (Mohawk v. H. R. R. Co., 19 Wend., 135; Chenango v. Mut. Ins. Co., 19 id., 635.) So, in the case of the People v. Rankin, (9 Johns., 147), the court held that an election of officers was good after the day provided in the statute, the provision being only directory. (See, also, People v. Cook, 8 N. Y. Rep., p. 67, and People v. Allen, 6 Wend., p. 486.)

This seems to be the well established doctrine both in England and in this country. (See Prowese v. Foot, 2 Brown Paul Cases, 289; Pender v. Rex, 2 id., 294; Rex v. Jefferson, 2 Nev. & M., 487; Rex v. Winchester, Mayor, Nev. & P., 274.)

So much for the main point involved.

In regard to the point raised by the appellant, that he should have been allowed the privilege of counsel on the hearing of the appeal before Brigadier-General Woodhall, I am of the opinion that the decision of General Woodhall was entirely correct. The point was raised in a case which occurred in Brooklyn, last summer, and which has just been decided by the General Term—Justices Barnard, Gilbert and Tappan, the opinion in which case I had the honor to send you a few days since—and it was there held that, even in court-martial cases, the accused had no right to appear by counsel.

The above considerations lead irresistibly to the following conclusions:

First. That the notices served on the twenty-six officers present were rendered due and valid by their presence at the election.

Second. That the presence of the appellant and the other absentee could not have possibly changed the result of the election, since, even if they had intended to vote against Lieutenant-Colonel Benton, he would still have received a majority of all the legal votes, viz., fifteen out of twenty-eight.

Third. That the irregularities complained of have resulted in no injury to any person, and the appeal should, therefore, be denied, and the election of Lieutenant-Colonel D. S. Benton, as Colonel, confirmed.

I have not arrived at these conclusions without some difficulty; and the examination I have necessarily made of the proceedings in this case leads me to remark that the special attention of officers presiding at elections should be called to the

necessity for compliance literally with all the provisions of the Code; otherwise, confusion, such as has arisen in this case, must necessarily follow.

I return herewith the papers transmitted with your order of reference.

I am, very respectfully,

JAMES B. CRAIG,
*Judge Advocate-General, S. N. Y.*

II. While the Commander-in-Chief dismisses this appeal, for reasons which appear to him unanswerable, he cannot allow the occasion to pass without impressing upon the officers of the National Guard the duty and the necessity of strict compliance with the direction of the statute in all elections, so that appeals upon technical and formal points may be avoided. Such appeals tend to confusion, excite bad feelings among the officers, are prejudicial to discipline, and take up, needlessly, the time and attention of the superior military authorities.

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *October* 10, 1871.

GENERAL ORDERS, No. 19.

The Commander-in-Chief has had under consideration the appeal of Second Lieutenant Edward Haueser, Troop "D," First Regiment Cavalry, from the findings and sentence of a Division Court-martial, of which Brigadier-General Joshua M. Varian was president, and has dismissed the same, and approved the proceedings and sentence of said court-martial, for the reasons set forth in the following opinion of the Judge-Advocate-General:

OFFICE OF JUDGE-ADVOCATE-GENERAL, S. N. Y.,
NEW YORK, *October* 3, 1871.

Col. J. B. STONEHOUSE,
*Assistant Adjutant-General, S. N. Y.:*

COLONEL.—I have examined the papers referred to me for examination and report, in the case of the appeal of Second Lieutenant Edward Haueser, of Troop "D," First Regiment Cavalry, National Guard, S. N. Y., from the findings and sentence of a Division Court-martial, of which Brigadier-General J. M. Varian was president.

From the report of Brigadier-General J. M. Varian, president of the court-martial, it appears that all the proceedings of said court-martial were regular, and in strict accordance with the provisions of the Military Code; and I am, therefore, of the opinion that the appeal should be disallowed, and the proceedings and sentence of the court-martial approved.

The papers referred to me are herewith returned.

I am, Colonel, very respectfully, your obedient servant,

JAMES B. CRAIG,
*Judge-Advocate-General, S. N. Y.*

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *October* 23, 1871.

General Orders,
No. 20.

The following recommendations of the Military Examining Board, appointed by General Orders No. 14, series of 1869, in accordance with Section 101, Military Code, held at the State arsenal in the city of New York, September 28th, 1871, are hereby approved and confirmed :

1st. That the following named officers be retained in the service, viz.:

Captain John J. Sauvan, Third Regiment Infantry.

Second Lieutenant Anton Roll, Fifty-fifth Regiment Infantry.

2d. That the resignation of First Lieutenant J. T. Schmidt, Adjutant of the Twenty-eighth Regiment, be accepted, and that he be discharged from further service in the National Guard.

3d. That the following named officers, having failed to pass a satisfactory examination, their commissions be revoked, viz.:

First Lieutenant George Sperl, Third Regiment.

First Lieutenant Jacob Hay, Fifty-fifth Regiment.

First Lieutenant John Gutweiler, Fifty-fifth Regiment.

4th. That, on the recommendation of the Brigade and Division Commanders, the resignation of Major Joseph Fleischel, First Regiment Cavalry, be accepted "for the good of the service."

5th. That the commissions of the following named officers be vacated for disobedience of the orders of the Commander-in-Chief, in not appearing for examination as directed, viz.:

First Lieutenant Michael C. Brennan, Third Regiment.

First Lieutenant Daniel Eames, Thirty-fifth Regiment.

Captain Wm. J. Clark, Fifty-fourth Regiment.

Captain Daniel O'Niel, Fifty-fourth Regiment.

First Lieutenant Emil Knecht, Fifty-fifth Regiment.

Second Lieutenant Chas. A. Wagner, Fifty-fifth Regiment.

Major Michael R. Quinn, Battalion of Artillery, Twenty-fifth Brigade.

Captain Philip Wackerman, Battery "B," Artillery, Second Division.

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *November* 1*st*, 1871.

General Orders,
No. 21.

The following named officers have been commissioned in the National Guard, State of New York, during the month of October, 1871:

First Division.

Colonel Walter M. Fleming, Surgeon, with rank from October 10, 1871, vice O. Paine, resigned.

Lieutenant-Colonel Jas. R. O'Bierne, Quartermaster, with rank from October 17, 1871, vice Geo. McClure, resigned.

Lieutenant-Colonel Frank Wrisley, Commissary of Subsistence, with rank from October 17, 1871, vice F. Vilmar, promoted.

### FIFTH BRIGADE.

Major John H. Bergen, Judge-Advocate, with rank from October 2, 1871, vice G. M. Stevens, resigned.

Captain Josiah S. Colgate, Ordnance Officer, with rank from October 2, 1871, vice A. H. Purdy, resigned.

### SIXTEENTH BRIGADE.

Captain F. L. Wooley, Ordnance officer, with rank from September 18, 1871, vice H. E. Bates, removed from district.

Lieutenant-Colonel Chas. H. Van Brackle, Assistant Adjutant-General, with rank from March 17, 1870; original.

### TWENTY-FIRST BRIGADE.

Captain Jered M. Oatley, Aide-de-Camp, with rank from July 1, 1871, vice H. S. Miller, resigned.

### BATTALION ARTILLERY—TWENTY-FOURTH BRIGADE.

Major Albert L. Whedon, Surgeon, with rank from May 13, 1871, vice Aug. Tankie, retired with former Commandant.

### BATTALION ARTILLERY—TWENTY-FIFTH BRIGADE.

James A. Spaulding, Second Lieutenant, with rank from September 19, 1871, vice R. K. Dryer, promoted.

John A. P. Walter, Second Lieutenant, with rank from September 21, 1871, vice F. W. Parmalee, resigned.

### HOWITZER BATTERY—ELEVENTH BRIGADE.

Julius F. Simons, First Lieutenant, with rank from October 11, 1871, vice J. H. Cannon resigned.

H. Munson Beebe, Second Lieutenant, with rank from October 11, 1871, vice J. F. Simons, promoted.

### FIFTH REGIMENT OF INFANTRY.

Louis Ploeger, Captain, with rank from September 21, 1871, vice Wm. Krumwiede, resigned.

Herman Koehler, First Lieutenant, with rank from September 21, 1871, vice L. Ploeger, promoted.

Eugene Charpiot, Second Lieutenant, with rank from September 21, 1871, vice H. Koehler, promoted.

### SEVENTH REGIMENT OF INFANTRY.

Major Moreau Morris, Surgeon, with rank from July 4, 1871, vice J. C. Barron, resigned.

### EIGHTH REGIMENT OF INFANTRY.

First Lieutenant David P. Arnold, Quartermaster, with rank from October 2, 1871, vice D. P. Arnold, resigned.

NINTH REGIMENT OF INFANTRY.

Captain Edward O. Flagg, Chaplain, with rank from June 13, 1871, vice E. H. Chapin, resigned.

TENTH REGIMENT OF INFANTRY.

Daniel S. Benton, Colonel, with rank from August 5, 1871, vice J. G. Farnsworth, resigned.

Barnard C. Gardner, First Lieutenant, with rank from August 3, 1871, vice John A. Marlow, resigned.

ELEVENTH REGIMENT OF INFANTRY.

Frederick Vilmar, Colonel, with rank from September 22, 1871, vice Augustus Funk, promoted.

TWELFTH REGIMENT OF INFANTRY.

First Lieutenant Edward White, Assistant Surgeon, with rank from August 1, 1871, vice Merrill, declined.

THIRTEENTH REGIMENT OF INFANTRY.

John W. Miles, Jr., First Lieutenant, with rank from September 26, 1871, vice J. G. F. Powell, resigned.

TWENTY-FIRST REGIMENT OF INFANTRY.

First Lieutenant John P. Wilson, Assistant Surgeon, with rank from August 18, 1871, vice John P. Schuet, resigned.

Levi Ellis, First Lieutenant, with rank from October 2, 1871, vice W. H. Anthony, retired.

Edward P. Felter, Second Lieutenant, with rank from May 19, 1871; original vacancy.

TWENTY-SECOND REGIMENT OF INFANTRY.

First Lieutenant Rowland A. Robbins, Quartermaster, with rank from October 2, 1871, vice W. C. Rogers, resigned.

TWENTY-THIRD REGIMENT OF INFANTRY.

Edward G. Robertson, First Lieutenant, with rank from October 2, 1871, vice Isaac H. Cary, resigned.

Isaac B. Jacobs, Second Lieutenant, with rank from October 10, 1871, vice E. G. Robertson, promoted.

TWENTY-FOURTH REGIMENT OF INFANTRY.

Major Melanchton W. Campbell, Surgeon, with rank from April 30, 1871, vice A. E. Newcomb, resigned.

TWENTY-FIFTH REGIMENT OF INFANTRY.

John Moenich, First Lieutenant, with rank from August 12, 1871, vice George Apple, resigned.

Frank Frohlich, First Lieutenant, with rank from August 10, 1871, vice Alexander Endres, resigned.

John Diehl, Second Lieutenant, with rank from August 10, 1871, vice Robert Shafer, resigned.

Elias F. F. Andes, First Lieutenant, with rank from September 23, 1871, vice Benjamin Whitman, deceased.

Andrew Brickner, Second Lieutenant, with rank from September 23, 1871, vice A. Wilpers, resigned.

### Twenty-sixth Battalion of Infantry.

James A. Norton, Second Lieutenant, with rank from August 16, 1871, vice J. W. Roberts, absent without leave.

Major Warren E. Day, Surgeon, with rank from September 29, 1871; original.

### Twenty-eighth Regiment of Infantry.

Eugene Groux, Assistant Surgeon, with rank from August 15, 1871, vice Bernhard Wilhelm, deceased.

### Forty-fourth Regiment of Infantry.

James F. Pettit, Adjutant, with rank from September 25, 1871, vice A. T. Eggleston, resigned.

### Fifty-fourth Regiment of Infantry.

Samuel R. Campbell, First Lieutenant, with rank from September 26, 1871, vice E. C. Blackford, resigned.

John C. King, Second Lieutenant, with rank from September 26, 1871, vice S. R. Campbell, promoted.

Adam F. Brash, First Lieutenant, with rank from October 2, 1871, vice H. H. Van Dolah, resigned.

Michael J. Coakley, Second Lieutenant, with rank from October 2, 1871, vice A. F. Brash, promoted.

### Fifty-fifth Regiment of Infantry.

Gustav Alting, First Lieutenant, with rank from September 21, 1871, vice George M. Curtis, removed from district.

### Seventy-first Regiment of Infantry.

Ernest A. Des Marets, Captain, with rank from October 10, 1865, vice S. W. Osgood, resigned.

### Seventy-ninth Battalion of Infantry.

Major James Norval, Surgeon, with rank from October 10, 1871, vice S. T. E. Beck, deceased.

### One Hundred and Third Regiment of Infantry.

Major Fort van Keuren, Surgeon, with rank from May 5, 1871; original.

Wm. R. Guile, Adjutant, with rank from July 1, 1871, vice Chas. E. Babcock, resigned.

The following resignations in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Oct. 3..... | 3 | 7 | 5 | Charles La Roche.... ..... | Second Lieutenant. |
| do 3..... | 35 | 16 | 4 | H. J. Phillips..... | Captain. |
| do 3.... | 35 | 16 | 4 | George H. Ockford..... | First Lieutenant. |
| do 10..... | 71 | 1 | 1 | Samuel B. Jackson..... | First Lieutenant. |
| do 11.... | 84 | 2 | 1 | William Bruce..... | First Lieutenant. |
| do 11..... | 84 | 2 | 1 | Charles Eagleson ..... | First Lieutenant. |
| do 11..... | 71 | 1 | 1 | George C. Freeborn ..... | Second Lieutenant. |
| do 11..... | 71 | 1 | 1 | Charles F. De Borst..... | First Lieutenant. |
| do 11..... | 71 | 1 | 1 | Charles N. Swift..... | Captain. |
| do 11..... | 79 | 1 | 1 | Jacob Reichert ..... | First Lieutenant. |
| do 16.... | 54 | 25 | 7 | J. G. Baetzel..... | Colonel. |
| do 16.. .. | ..... | 28 | 6 | Stephen Clough..... .... | Assist. Adjutant-General. |
| do 18..... | 1 | 3 | 1 | Charles W. Terrette ..... | Captain. |
| do 18..... | 1 | 3 | 1 | William Mackay ..... | First Lieutenant. |
| do 18..... | 1 | 3 | 1 | F. F. Martinez..... | Second Lieutenant. |
| do 18. ... | 10 | 9 | 3 | Edward K. Rogers ..... | Quartermaster. |
| do 26..... | 25 | 9 | 3 | Wolfgang Meyer..... | First Lieutenant. |
| do 26..... | 49 | 23 | 6 | Frank J. Stupp ..... ... .... | Captain. |
| do 30..... | 55 | 3 | 1 | Rode Le Fevre..... ..... | Captain. |
| do 30.. .. | 1st cavalry. | 1 | 1 | Joseph Fleischel..... | Major. |
| do 30..... | 28 | 5 | 2 | Joseph T. Schmidt..... | Adjutant. |
| do 30..... | 47 | 11 | 2 | Guy F. Gosman..... | Adjutant. |
| do 31..... | ..... | .. | 1 | Daniel M. Teller ..... | Col. and Chief of Artillery. |
| do 31..... | 49 | 23 | 6 | J. Monroe Alden..... | First Lieutenant. |
| do 31..... | 21 | 8 | 5 | Jerome V. Deyo ..... | Commis'y of Subsistence. |
| do 31..... | 96 | 2 | 1 | Henry Hollings. ..... | Second Lieutenant. |
| do 31..... | 96 | 2 | 1 | E. M. Rosenbaum ..... | Captain. |
| do 31..... | ..... | 31 | 8 | D. W. Hurdley.... ... ..... | Judge-Advocate. |

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *Nov.* 1, 1871.

GENERAL ORDERS, No. 22.

The board appointed by General Orders No. 11, current, series, "to examine into the merits of various kinds of breech-loading rifle muskets," having reported to the Governor the result of such examination, and recommended the adoption of the Remington rifle musket, improved model, for the use of the National Guard, the same is hereby approved and confirmed.

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
ADJUTANT-GENERAL'S OFFICE, ALBANY, *Dec.* 1, 1871.

GENERAL ORDERS, No. 23.

The following named officers have been commissioned in the National Guard, State of New York, during the month of November, 1871:

### SEVENTH BRIGADE.

Captain Constant White, Ordnance Officer, with rank from July 4, 1871; original.

Lieutenant Aaron Ward Morris, Aide-de-Camp, with rank from October, 2, 1871, vice Isaac P. Chambers, absent without leave.

### NINTH BRIGADE.

Major Frederick T. Martin, Inspector, with rank from November 1, 1871, vice G. H. Treadwell, resigned.

Major John Gould, Judge-Advocate, with rank from November 1, 1871, vice F. T. Martin, promoted,

Captain Charles E. Van Zandt, Ordnance Officer, with rank from November 3, 1871, vice D. A. Teller, resigned.

Captain Henry C. Littlefield, Quartermaster, with rank from November 20, 1871, vice Charles E. Van Zandt, promoted.

### THIRTEENTH BRIGADE.

Lieut-Col. Chas. H. Van Allen, Assistant Adjutant-General, with rank from November 15, 1871, vice D. M. Kittle, resigned.

### THIRTY-FIRST BRIGADE.

Major S. Douglass Cornell, Judge-Advocate, with rank from November 1, 1871, vice D. W. Hurdly, resigned.

Captain Geo. A. Williams, Quartermaster, with rank from November 1, 1871, vice S. D. Cornell, promoted.

Lieutenant G. Barrett Rich, Aide-de-Camp, with rank from November 1, 1871, vice G. A. Williams, promoted.

### THIRD REGIMENT OF INFANTRY.

Frederick Lambert, Captain, with rank from October 2, 1871, vice H. W. Fowler, declined.

Nicholas Herd, Second Lieutenant, with rank from October 2, 1871, vice S. P. Hunt, declined.

### EIGHTH REGIMENT OF INFANTRY.

Edward E. Mulligan, Second Lieutenant, with rank from February 17, 1871, vice Frederick O. Johnston. Commission vacated by General Order No. 29, 1870.

### NINTH REGIMENT OF INFANTRY.

George Thompson, Assistant Surgeon, with rank from April 7, 1871, vice George Needham, resigned.

### TENTH REGIMENT OF INFANTRY.

John Burn, Lieutenant-Colonel, with rank from October 27, 1871, vice D. S. Benton, promoted.

Edward K. Rogers, Major, with rank from October 27, 1871, vice John Burn, promoted.

Wm. E. Fitch, First Lieutenant, with rank from September 28, 1871, vice G. W. Walker, resigned.

John T. Jones, Second Lieutenant, with rank from September 28, 1871, vice John A. Brown, resigned.

James S. Bailey, Surgeon, with rank from November 18, 1871, vice D. M. Stimson resigned.

### Eleventh Regiment of Infantry.

John C. Endriss, First Lieutenant, with rank from June 28, 1871, vice Joseph Ozaab, resigned.

Robert Gross, Second Lieutenant, with rank from June 28, 1871, vice J. C. Endriss, promoted.

### Twelfth Regiment of Infantry.

Edward White, Surgeon, with rank from September 26, 1871, vice G. M. Weeks removed from State.

Robert Taylor, Assistant Surgeon, with rank from September 26, 1871, vice E. White, promoted.

### Nineteenth Battalion of Infantry.

James T. Joslin, Adjutant, with rank from September 13, 1871, vice J. P. Vought, removed from district.

### Twenty-second Regiment of Infantry.

Charles F. Gamble, First Lieutenant, with rank from October 2, 1871, vice Edward Russell, resigned.

Wm. H. Beckwith, Second Lieutenant, with rank from October 2, 1871, vice Charles F. Gamble, promoted.

Wilmot M. Dunning, Second Lieutenant, with rank from October 11, 1871, vice Theo. P. Austen, resigned.

### Twenty-fourth Regiment of Infantry.

Charles G. Clark, Assistant Surgeon, with rank from October 12, 1871, vice James C. Hutchinson, retired with former Colonel.

### Twenty-fifth Regiment of Infantry.

Frederick Schiefferdecker, Captain, with rank from August 9, 1871, vice D. J. Buerger, resigned.

### Twenty-eighth Regiment of Infantry.

Albin Gustave Pape, Adjutant, with rank from November 1, 1871, vice Jos. T. Schmidt, resigned.

Adolph Wilson, Second Lieutenant, with rank from May 25, 1871, vice John Williams, promoted.

### Forty-seventh Regiment of Infantry.

Henry Hasler, Adjutant, with rank from November 13, 1871, vice Guy F. Gosman, resigned.

### Seventy-first Regiment of Infantry.

Gerard Botts, Captain, with rank from August 24, 1871, vice Jos. A. Wise, resigned.

Martin L. Vantine, Second Lieutenant, with rank from July 7, 1871, vice J. R. Davenport, promoted.

### SEVENTY-FOURTH REGIMENT OF INFANTRY.

Henry S. Mulligan, First Lieutenant, with rank from October 11, 1871, vice A. C. Hudson, resigned.

### SEVENTY-NINTH BATTALION OF INFANTRY.

Wm. A. Devon, Captain, with rank from October 13, 1871; original vacancy.

Chas. T. Pine, First Lieutenant, with rank from October 13, 1871; original vacancy.

George W. Smith, Second Lieutenant, with rank from October 13, 1871; original vacancy.

Alexander Croall, Captain, with rank from October 12, 1871, vice Alex. Croall, resigned.

William Manson, First Lieutenant, with rank from October 18, 1871, vice Wm. Lindsay, promoted.

Alex. L. Baird, Second Lieutenant, with rank from October 18, 1871, vice P. L. Buchanan, resigned.

### EIGHTY-FOURTH REGIMENT OF INFANTRY.

Wm. H. Head, First Lieutenant, with rank from September 29, 1871, vice Wm. Bruce, resigned.

Henry B. Douglas, Second Lieutenant, with rank from September 29, 1871, vice Wm. H. Head, promoted.

Ralph Archbold, Second Lieutenant, with rank from November 10, 1871, vice A. Patterson, resigned.

### NINETY-SIXTH REGIMENT OF INFANTRY.

Wm. Buchman, Captain, with rank from September 29, 1871, vice Wm. Hinckel, resigned.

Nicholas Burkhardt, Second Lieutenant, with rank from September 29, 1871, vice Fred'k Ricke, resigned.

### BATTALION OF ARTILLERY, TWENTY-FIFTH BRIGADE.

Joseph Erbelding, Major, with rank from November 21, 1871, vice M. R. Quinn, commission vacated.

The following resignations in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Nov. 1.... | ..... | 9 | 3 | Geo. H. Treadwell ..... | Inspector. |
| do 9.... | ..... | 9 | 3 | D. A. Teller. ..... | Ordnance Officer. |
| do 9.... | 69 | 1 | 1 | Wm. T. Nealis..... | Surgeon. |
| do 9.... | 69 | 1 | 1 | Edward N. Laffey..... | First Lieutenant. |
| do 9.... | 22 | 1 | 1 | Wm. C. Besson ..... | Captain. |
| do 9.... | 106 | 20 | 7 | Wm. H. Manners ..... ..... | Second Lieutenant. |
| do 9.... | 1st cavalry. | 1 | 1 | Edward Hauser..... | Second Lieutenant. |
| do 9.... | 12 | 1 | 1 | Edward Wood ..... | Second Lieutenant. |
| do 9.... | 69 | 1 | 1 | Wm. F. Seymour ..... ..... | First Lieutenant. |
| do 13.... | 54 | 25 | 7 | G. A. Wallace ..... | First Lieutenant. |
| do 13.... | 54 | 25 | 7 | John Burgess..... | First Lieutenant. |
| do 15.... | 71 | 1 | 1 | Geo. D. Wolcott ..... | Lieutenant-Colonel. |
| do 15 ... | 10 | 9 | 3 | Wm. E. Fitch..... | Adjutant. |
| do 16.... | 19th bat'n. | 22 | 5 | A. H. McMeekin..... | Captain. |
| do 17.... | 26th bat'n. | 21 | 6 | Adrian O. Springer..... ..... | First Lieutenant. |
| do 17 ... | 32 | 11 | 2 | Henry Biegen..... | Second Lieutenant. |
| do 17.... | 11 | 2 | 1 | George Strippel..... | Captain. |
| do 20.... | 71 | 1 | 1 | Jas. T. Brinckerhoff ..... | First Lieutenant. |
| do 20.... | ..... | 13 | 3 | David M. Kittle..... | Assist. Adjutant-General. |
| do 20.... | 65 | 31 | 8 | Chas. Heimerle ..... ... | First Lieutenant. |
| do 20.... | 65 | 31 | 8 | Chas. Schweigert ..... | Adjutant. |
| do 21.... | Sq. caval'y. | 9 | 3 | Joseph Anker..... .. | Second Lieutenant. |
| do 25.... | 51 | 24 | 6 | Gustavus Sniper..... | Colonel. |
| do 27.... | 103 | 19 | 5 | Wm. H. Lamb ..... | Colonel. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *Dec.* 30, 1871.

General Orders, No. 24.

The following named officers have been commissioned in the National Guard, State of New York, during the month of December, 1871:

Benjamin W. Blanchard, Assistant Inspector-General, S. N. Y., with rank from July 10, 1871, vice S. C. Greenman, deceased.

### Seventh Division.

Colonel John W. Kelly, Judge-Advocate, with rank from November 10, 1871, vice John McConville, resigned.

### Fifth Brigade.

Lieutenant-Colonel Frederick A. Mason, Assistant Adjutant-General, with rank from December 18, 1871, vice E. M. Cullen, resigned.

Captain William W. Goodrich, Quartermaster, with rank from December 18, 1871, vice J. H. Cunningham, resigned.

Captain William Schwarzwaelder, Commissary of Subsistence, with rank from December 18, 1871, vice Edward Moore, resigned.

### Ninth Brigade.

Captain Charles Gould, Aide-de-Camp, with rank from December 18, 1871, vice John Gould, promoted.

### First Regiment of Cavalry.

Anthony Fisher, Captain, with rank from November 7, 1871, vice Adam Hamm, resigned.

Werner Metchele, Second Lieutenant, with rank from November 27, 1871, vice Edward Hauser, resigned.

### Third Regiment of Cavalry.

Frederick Bernholdt, Captain, with rank from September 28, 1871, vice J. Schacht, declined.

Henry Schwekendick, First Lieutenant, with rank from November 14, 1871, vice E. H. Schmultz, resigned.

Dederick Ranges, Second Lieutenant, with rank from November 14, 1871, vice H. Schwekendick, promoted.

### Second Battalion of Cavalry—Twenty-fourth Brigade.

Joseph Hecker, First Lieutenant, with rank from November 27, 1871, vice Jacob Goettel, Jr., resigned.

### Separate Troop Cavalry—Fifth Brigade.

Louis Sandhausen, Captain, with rank from November 22, 1871, vice F. H. Kayser. resigned.

Henry A. Morhman, First Lieutenant, with rank from November 22, 1871, vice L. Sandhausen, promoted.

Henry Roseland, Second Lieutenant, with rank from November 22, 1871, vice Joseph Schack, resigned.

### Battery "A," Artillery—Second Division.

John Paine, First Lieutenant, with rank from December 5, 1871, vice Philip A. Steuber, promoted.

### First Regiment of Infantry.

Eugene Mix, Second Lieutenant, with rank from November 21, 1871, vice John Lechtrecker, promoted.

### Third Regiment of Infantry.

John Bucher, Second Lieutenant, with rank from December 4, 1871, vice Charles La Roche, resigned.

Geo. T. Davis, Second Lieutenant, with rank from December 7, 1871, vice Michael C. Brennan, commission vacated.

### Tenth Regiment of Infantry.

Horatio F. Stackpole, Adjutant, with rank from December 16, 1871, vice Wm. E. Fitch, resigned.

### Twelfth Regiment of Infantry.

Wm. H. Schwalbe, Captain, with rank from November 28, 1871, vice J. H. French, appointed on Second Brigade Staff.

THIRTEENTH REGIMENT OF INFANTRY.

Jas. J. Boylan, First Lieutenant, with rank from September 15, 1871, vice H. G. Wood, removed from district.

Edward A. Goater, Second Lieutenant, with rank from September 15, 1871, vice J. J. Boylan, promoted.

TWENTIETH REGIMENT OF INFANTRY.

Andrew Dodge, Quartermaster, with rank from January 1, 1871, vice J. M. Dait, resigned.

Hyman F. Styles, Captain, with rank from January 1, 1871, vice Jas. H. Everett, promoted.

Willett L. Hasbrouck, Captain, with rank from October 9, 1871, vice L. B. Van Wagener, resigned.

E. D. Van Wagenen, Second Lieutenant, with rank from October 9, 1871, vice W. L. Hasbrouck, promoted.

TWENTY-FIRST REGIMENT OF INFANTRY.

Louis Muckenhouph, Captain, with rank from December 4, 1871, vice F. Hengstebeck, retired.

John Muckenhouph, First Lieutenant, with rank from December 4, 1871, vice L. Muckenhouph, promoted.

Chas. Messerschmitt, Second Lieutenant, with rank from December 4, 1871, vice J. Muckenhouph, promoted.

Edward P. Felter, First Lieutenant, with rank from December 8, 1871, vice Sam'l Crosier, removed from district.

John Dingee, Second Lieutenant, with rank from December 8, 1871, vice E. P. Felter, promoted.

TWENTY-THIRD REGIMENT OF INFANTRY.

Geo. H. Benton, Second Lieutenant, with rank from December 5, 1871, vice A. B. Britton, resigned.

TWENTY-FIFTH REGIMENT OF INFANTRY.

William Grammer, Captain, with rank from September 23, 1871, vice G. C. Nichols, resigned.

Henry Hoffman, First Lieutenant, with rank from November 10, 1871, vice W. Meyer, resigned.

TWENTY-SIXTH BATTALION OF INFANTRY.

Melvin Jones, First Lieutenant, with rank from December 11, 1871, vice A. O. Springer, resigned.

John H. Jones, Adjutant, with rank from November 1, 1871; original appointment.

TWENTY-EIGHTH REGIMENT OF INFANTRY.

Frederick W. Obernier, Lieutenant-Colonel, with rank from December 6, 1871, vice Adam Schepper, resigned.

Anthony Wills, Major, with rank from December 6, 1871, vice Frederick W. Obernier, promoted.

THIRTY-SECOND REGIMENT OF INFANTRY.

Henry Loewenstein, Surgeon, with rank from October 2, 1871, vice H. Herschfield resigned.

FORTY-SEVENTH REGIMENT OF INFANTRY.

Joseph N. Creamer, First Lieutenant, with rank from October 19, 1871, vice R. L. Roberts, resigned.

William J. Powell, First Lieutenant, with rank from November 17, 1871, vice A. E. Barnes, resigned.

FIFTY-FIRST REGIMENT OF INFANTRY.

James Randall, Colonel, with rank from December 16, 1871, vice G. Sniper, resigned.

Henry C. Allewelt, Lieutenant-Colonel, with rank from December 16, 1871, vice James Randall, promoted.

Herman Michels, Major, with rank from December 16, 1871, vice H. C. Allewelt, promoted.

FIFTY-FOURTH REGIMENT OF INFANTRY.

Cornelius L. Dodds, Captain, with rank from November 27, 1871, vice W. J. Clark, commission vacated.

SIXTY-FIFTH REGIMENT OF INFANTRY.

John C. Lowe, Second Lieutenant, with rank from November 21, 1871, vice John Yax, promoted.

Christopher Stock, Adjutant, with rank from November 21, 1871, vice Charles Schweigert, resigned.

SIXTY-NINTH REGIMENT OF INFANTRY.

James Conlon, Captain, with rank from August 29, 1871, vice John J. Harley, resigned.

Michael Keegan, Second Lieutenant, with rank from August 29, 1871, vice M. McDonnell, promoted.

John Leddy, First Lieutenant, with rank from November 16, 1871, vice E. N. Laffey, resigned.

SEVENTY-FIRST REGIMENT OF INFANTRY.

William C. Dow, Captain, with rank from November 10, 1871, vice Alfred Spear, resigned.

Charles F. Smillie, Second Lieutenant, with rank from November 2, 1871, vice Theodore V. Smith, promoted.

SEVENTY-NINTH BATTALION OF INFANTRY.

Thomas D. Hughes, First Lieutenant, with rank from November 7, 1871, vice William McMaster, resigned.

Charles Sanderson, Second Lieutenant, with rank from November 7, 1871, vice Thomas D. Hughes, promoted.

NINETY-SIXTH REGIMENT OF INFANTRY.

Adolph Bendleben, 1st Lieutenant, with rank from November 15, 1871, vice Wm. Kuntz, resigned.

One Hundred and Third Regiment of Infantry.

Edwin J. Loomis, Colonel, with rank from December 9, 1871, vice W. H. Lamb, resigned.

The following resignations in the National Guard, State of New York, have been accepted during the same period:

| Date. | Regiment. | Brigade. | Division. | NAMES. | Office. |
|---|---|---|---|---|---|
| 1871. | | | | | |
| Dec. 7.... | ..... | 5 | 2 | Edward Moore..... | Commis'y of Subsistence. |
| do 8.... | 12 | 1 | 1 | Wm. V. Byrne..... | Captain. |
| do 8.... | 12 | 1 | 1 | Wm. V. Shaw..... | First Lieutenant. |
| do 8... | 55 | 3 | 1 | Valentine Steitz..... | Captain. |
| do 8.... | 10 | 9 | 3 | David W. Young..... | Captain. |
| do 13.... | 9 | 3 | 1 | Edward Oppenheimer..... | First Lieutenant. |
| do 14.... | 28 | 5 | 2 | John Boehringer..... | Captain. |
| do 14.... | ..... | 5 | 2 | J. H. Cunningham..... | Quartermaster. |
| do 16.... | * | ... | .... | J. Townsend Connolly..... | Col. and Aide-de-Camp. |
| do 18.... | 28 | 11 | 2 | Henry Kinkel..... | First Lieutenant. |
| do 18.... | 96 | 2 | 1 | Frank Keller..... | Captain. |
| do 18 ... | 24 | 10 | 3 | Edgar Jaquins..... | Second Lieutenant. |
| do 18. .. | 24 | 10 | 3 | James B. Hall..... | Second Lieutenant. |
| do 18.... | ..... | 3 | 1 | Abner Mellen, Jr..... | Engineer. |
| do 18.... | 13 | 5 | 2 | Frederick A. Mason..... | Colonel. |
| do 18 .. | 5 | 2 | 1 | John E. Bendix..... | Colonel. |
| do 19.... | 69 | 1 | 1 | Frederick T. Goggin..... | Adjutant. |
| do 23.... | 23 | 11 | 2 | Hamilton Fulton..... | Second Lieutenant. |
| do 23.... | 32 | 11 | 2 | Adam Schneider..... | First Lieutenant. |
| do 23.... | 32 | 11 | 2 | John Kissel..... | Captain. |
| do 23 ... | 84 | 2 | 1 | Wm. Atkinson..... | Major. |

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

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CIRCULAR.

General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *February 25th*, 1871.

From the muster and inspection rolls for the year 1870, it is evident that many of the organizations of the National Guard are below the minimum required by law. The commandants of the weak organizations are enjoined to fill up their commands, if they wish to avoid reduction, consolidation or disbandment. To the end that this matter may be fully understood, extracts from the Military Code relating thereto are appended; and attention is particularly called to the point that the minimum of a company is forty-six non-commissioned officers, musicians and privates, and that at least eight such companies, none having less than said minimum, are required to constitute a regiment.

FRANKLIN TOWNSEND,
*Adjutant-General.*

§ 11. Troops, batteries or companies shall be formed in separate districts when practicable, but the Commander-in-Chief may, in his discretion, organize more troops, batteries or companies than one in the same district, or parts of a troop, bat-

* Staff Commander-in-Chief.

tery or company in different districts, and to every troop, battery or company of cavalry, artillery or infantry there shall be one captain, one first lieutenant, one second lieutenant, one first sergeant, one quartermaster's sergeant, four sergeants, eight corporals, two musicians; and to every troop or company of cavalry or infantry there shall be from thirty to eighty-four privates; and to every battery of artillery there shall be from sixty-four to one hundred and four privates, and one additional second lieutenant; and in the discretion of the Commander-in-Chief, there may be added to the battery organization one first lieutenant, two sergeants and four corporals, and to every troop of cavalry there shall be one additional second lieutenant, and also one veterinary surgeon, with the rank of sergeant-major.

§ 12. Forty-six non-commissioned officers, muscians and privates shall be the minimum, and one hundred the maximum of the troop and company organization of cavalry and infantry; and eighty and one hundred and twenty of the same, the minimum and maximum of the battery organization of artillery; and all troop, battery and company officers shall use their best efforts to obtain volunteers, and recruit their commands so that the minimum shall always be exceeded. Non-commissioned officers shall be chosen from the members of the troop, battery or company to which they belong.

§ 14. Each regiment of cavalry, artillery and infantry shall consist of not less than eight nor more than ten companies, one colonel, one lieutenant-colonel, one major, one adjutant, with rank of first lieutenant, one quartermaster, with rank of first lieutenant, one surgeon, with rank of major, one assistant surgeon, with rank of captain, one chaplain, with rank of captain, one sergeant-major, one quartermaster's sergeant, one commissary sergeant, one hospital steward, and two principal musicians; and, in addition to the foregoing, each regiment of cavalry and artillery shall have one major, and each regiment of cavalry shall have one veterinary surgeon, with rank of second lieutenant, and one saddler sergeant.

§ 15. The battalion organization shall consist of not more than six nor less than four companies, one lieutenant-colonel, one major, one adjutant, with rank of first lieutenant, one quartermaster, with rank of first lieutenant, one surgeon, with rank of major, one chaplain, with rank of captain, one sergeant-major, one quartermaster's sergeant, one commissary sergeant, one hospital steward, and two principal musicians; and each battalion of cavalry shall have an additional major, a veterinary surgeon, with the rank of second lieutenant, and one saddler sergeant; and whenever any regiment shall fall below the number of eight companies, it may be reorganized as a battalion.

§ 178. The Comptroller shall annually draw his warrant upon the Treasurer in favor of the county treasurer of each county for the sum of five hundred dollars for each regiment, and the sum of two hundred and fifty dollars for each battalion, and the sum of two hundred dollars for each separate battery, and the sum of one hundred dollars for each separate troop, certified by the Adjutant-General to be organized according to the provisions of this act, within the county; or in case any regiment, battalion or separate troop or battery is organized in two or more counties, then the Comptroller shall draw his warrant in favor of such county treasurer as the Adjutant-General may in his certificate direct; which sums, and also those paid in like manner by the State, in lieu of furnishing uniforms as provided in section one hundred and thirteen of this act, together with the fines collected from delinquent officers, non-commissioned officers, musicians and privates, shall constitute the military fund of such regiment, battalion or separate troop or battery.

CIRCULAR.

General Head-quarters—State of New York,
Adjutant-General's Office, Albany, *May* 1, 1871.

To comply with the provisions of Section 113 of the Military Code (chapter 80, Laws of 1870), a copy of which is appended, it is required that three abstracts of the accounts audited and allowed for payment from the uniform fund of the regiments, battalions or separate troops or batteries be prepared by the board of auditors, and transmitted to these head-quarters, together with duly receipted vouchers therefor in triplicate. After they have been approved by the Adjutant-General, one set of these abstracts and vouchers will be sent to the auditing board, one set to the county treasurer, and one set will be retained in this office.

FRANKLIN TOWNSEND,
*Adjutant-General.*

§ 113. In lieu of uniforms being furnished by the State to non-commissioned officers and privates, as heretofore provided by law, there shall annually be paid by the State to the military fund of each regiment, battalion and separate troop or battery, for the purpose of aiding the non-commissioned officers, musicians and privates of said organizations in procuring their uniforms, a sum equal to five dollars for each of its non-commissioned officers, musicians and privates who paraded during the year preceding, fully uniformed, armed and equipped, according to the provisions of this act, at least seven different times, four of which shall have been on the occasion of regimental, battalion, separate troop or battery parades. And in order to determine the amount of money to which each regiment, battalion and separate troop or battery will be entitled under the provisions of this section, the commandant of each regiment, battalion and separate troop or battery shall transmit to the Adjutant-General, during the month of December, and prior to the fifteenth day thereof in every year, a roll, giving the name and description of each non-commissioned officer, musician and private in his command who paraded at least seven different times, as hereinabove specified, stating the occasions, during the year next preceding the said month of December; which roll the said commandant shall certify to on honor. And for the purpose of paying the said sums of money, the Comptroller shall draw his warrants upon the Treasurer in favor of the county treasurers, in the same manner as is provided in section one hundred and seventy-eight of this act, on the certificate of the Adjutant-General and Inspector-General, approved by the Commander-in-Chief, showing the amount that each regiment, battalion and separate troop or battery is entitled to. The said money thus appropriated for uniforms shall be held sacred and inviolate for such purpose, and shall not, in any event, be expended for any other; provided, however, that the uniforms required, prior to the first day of October, eighteen hundred and seventy, may be furnished under the provisions of the laws in force at the time of the passage of this act.

(K.)

# REPORT OF THE INSPECTOR-GENERAL.

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GENERAL HEAD-QUARTERS—STATE OF NEW YORK,
INSPECTOR-GENERAL'S OFFICE, ALBANY, *Dec.* 31*st*, 1871.

Major-General FRANKLIN TOWNSEND,
*Adjutant-General of the State of New York:*

GENERAL.—In accordance with the provisions of section forty-five of the Military Code, I have the honor to make the following report to His Excellency the Commander-in-Chief.

There have been no encampments of the National Guard during the year past reported at this office.

The notices and returns required by sections 144 and 152, Military Code, have been rendered as therein provided.

The following is an abstract of the notices of parades and encampments received at this office pursuant to section 144 Military Code:

*Abstract of Division, Brigade and Regimental Orders for Parades, etc.*

FIRST DIVISION.

GENERAL ORDERS, No. 4.

Major-General Alexander Shaler orders parade of a portion of his division to act as an escort at the burial of Brigadier-General Louis Burger, May 28, 1871.

GENERAL ORDERS, No. 5.

Major-General Alexander Shaler orders parade of division to celebrate the Ninety-fifth Anniversary of our National Independence by parading and passing in review before His Honor, the Mayor of the city of New York.

GENERAL ORDERS, No. 7.

Major-General Alexander Shaler orders parade of the division on the occasion of the reception of His Imperial Highness, Alexis, Grand Duke of Russia.

GENERAL ORDERS, No. 10.

Major-General Alexander Shaler orders an assemblage of a portion of the division in pursuance of a demand of the police authorities, and the division to hold itself in readiness, Nov. 7, 1871.

FIRST BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 3.

Brigadier-General Wm. G. Ward orders a parade of the brigade for review and drill at Tompkins square, June 12, 1871.

GENERAL ORDERS, No. 5.

Brigadier-General Wm. G. Ward, in compliance with orders from Division Headquarters, orders a parade of the brigade on the 4th July to participate in the celebration of Ninety-fifth Anniversary of National Independence.

GENERAL ORDERS, No. 6.

Brigadier-General Wm. G. Ward orders a parade of the several regiments composing the brigade for muster, discipline, inspection and review at Tompkins square, New York city.

SECOND BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 7.

F. A. Conkling, Colonel Commanding, orders parade of brigade, July 4, 1871, to celebrate the Ninety-fifth Anniversary of the Declaration of Independence.

GENERAL ORDERS, No. 15.

Brigadier-General Augustus Funk, in pursuance of orders from Division Headquarters, orders parade of brigade to participate in the reception of His Imperial Highness, Grand Duke of Russia.

THIRD BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 4.

Brigadier-General J. M. Varian orders parade of the brigade, June 5, 1871, for the annual parade and practice in the evolutions of the brigade.

GENERAL ORDERS, No. 5.

Brigadier-General J. M. Varian, in pursuance of General Orders from Division Head-quarters, orders a parade of the brigade to participate in the celebration of the Ninety-fifth Anniversary of our National Independence.

GENERAL ORDERS, No. 8.

Brigadier-General J. M. Varian, in obedience to orders from Division Headquarters, orders parade of the brigade to participate in the reception of His Imperial Highness, Grand Duke of Russia.

FIFTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 2.

Brigadier-General Thos. S. Dakin orders parade of the brigade, May 22d, 1871, for instruction, and in the evolutions of the brigade.

GENERAL ORDERS, No. 3.

Brigadier-General Thos. S. Dakin orders parade of the brigade for the annual inspection and muster of the several organizations, Monday, Nov. 23, 1871.

SEVENTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 7.

Brigadier-General James Ryder orders a parade of the brigade on the 25th of October, 1871, for annual inspection and muster.

ELEVENTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 1.

Brigadier-General J. V. Meserole orders a parade of the brigade, June 8th, 1871, at Prospect Park, for drill, instruction and review.

GENERAL ORDERS, No. 2.

Brigadier-General J. V. Meserole orders parade of the brigade, October 28th, 1871, for annual inspection and muster.

THIRTEENTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 4.

Brigadier-General Elias A. Brown orders parade of brigade, September 26th, 1871, for drill, discipline, inspection, parade and review, with three days' rations, at Schenectady, N. Y.

TWENTY-SECOND BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 1.

Brigadier-General Wm. R. Brown orders a parade of the brigade, September 27th and 28th, for the purpose of discipline, drill, muster, inspection and review.

TWENTY-FIFTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 1.

Brigadier-General C. H. Clark orders parade of his brigade, May 20th, 1871, for drill and discipline.

GENERAL ORDERS, No. 3.

Brigadier-General C. H. Clark orders parade of his brigade, 20th day of October, 1871, for muster and inspection.

TWENTY-EIGHTH BRIGADE OF INFANTRY.

GENERAL ORDERS, No. 26.

Brigadier-General Henry D. Barto orders a parade of the brigade October 17, 1871, for annual inspection, muster and review.

THIRD REGIMENT OF INFANTRY.

GENERAL ORDERS,

Colonel John G. Fay orders a parade of the regiment to participate in the celebration of the Ninety-fifth Anniversary of American Independence, at Morrisania, N. Y., July 4, 1871.

GENERAL ORDERS,

Colonel John G. Fay orders a parade of the regiment for evolutions, inspection and review, June 14, 1871.

GENERAL ORDERS, No. 2.

Colonel John G. Fay orders a parade of the regiment for annual muster, inspection and review at Mount Vernon.

TWENTY-THIRD REGIMENT OF INFANTRY.

GENERAL ORDERS, No. 3.

Colonel Rodney C. Ward orders a parade of the regiment May 17, 1871, for dress parade and review at the Rink, Clermont avenue.

GENERAL ORDERS, No. 4.

Colonel Rodney C. Ward orders an assemblage of the regiment May 25, 1871, by invitation of the Seventh Regiment, National Guard, S. N. Y., and review at the City Hall, New York, by His Honor the Mayor.

GENERAL ORDERS, No. 5.

Colonel Rodney C. Ward orders an assemblage of the regiment August 4, 1871, for the purpose of visiting Long Branch.

GENERAL ORDERS, No, 6.

Colonel Rodney C. Ward orders a parade of the regiment on October 28, 1871, at Fort Green, for annual muster and inspection.

GENERAL ORDERS, No. 7.

Colonel Rodney C. Ward, in pursuance of General Orders from Brigade Headquarters, orders a parade of the regiment on the occasion of the reception of His Imperial Highness, Grand Duke of Russia.

EIGHTY-FOURTH REGIMENT OF INFANTRY.

GENERAL ORDERS, No. 11.

Colonel F. A. Conkling orders a parade of the regiment, in full dress uniform, for divine service, November 12, 1871.

GENERAL ORDERS, No. 12.

Colonel F. A. Conkling orders a parade of the regiment for drill and instruction, November 17, 1871.

## LIST OF CHANGES OF GENERAL AND FIELD OFFICERS IN THE NATIONAL GUARD DURING THE YEAR 1871, AS REPORTED IN PURSUANCE OF SECTION 45, MILITARY CODE.

### *Brigadier-General.*

Augustus Funk, Second Brigade of Infantry, vice Louis Burger, deceased.

### *Field Officers.*

John H. Timmerman, Major First Regiment of Cavalry, N. G., vice John Madden, promoted.

John F. Moschell, Major Second Battalion of Cavalry, Twenty-fourth Brigade, N. G., vice John C. Bennett, promoted.

Frederick Auer, Major Second Battalion of Cavalry, Twenty-fourth Brigade, N. G.; original vacancy.

John N. Partridge, Major Twenty-third Regiment of Infantry, N. G., vice J. G. Gregory, resigned.

John McKenna, Lieutenant-Colonel Twenty-fourth Regiment of Infantry, N. G., vice Gurdon G. Wolfe, resigned.

William H. Munn, Major Twenty-fourth Regiment of Infantry, N. G., vice John McKenna, promoted.

Franklin B. Beers, Major Thirty-third Battalion of Infantry, N. G.; original vacancy.

Henry T. Allen, Major Fifth Regiment of Infantry, N. G., resigned January 13, 1871.

James McLeer, Lieutenant-Colonel Fourteeth Regiment of Infantry, N. G., vice Henry T. Head, deceased.

Charles J. Wing, Colonel Seventy-fourth Regiment of Infantry, N. G., vice George M. Baker, resigned.

James A. Gault, Lieutenant-Colonel Seventy-fourth Regiment of Infantry, N. G., vice Charles J. Wing, promoted.

Lewis M. Evans, Major Seventy-fourth Regiment of Infantry, N. G., vice James A. Gault, promoted.

Louis Hallen, Major Fifth Regiment of Infanty, N. G., vice H. T. Allen, resigned.

William A. Atkinson, Major Eighty-fourth Regiment of Infantry, N. G., vice James Hunter, promoted.

William Meichel, Major Battalion of Cavalry, Twenty-fourth Brigade, N. G., vice John Demong, promoted.

Henry E. Roehr, Colonel Thirty-second Regiment of Infantry, N. G.; original vacancy.

John Rueger, Lieutenant-Colonel Thirty-second Regiment of Infantry, N. G., vice Henry E. Roehr, promoted.

Frederick J. Karcher, Major Thirty-second Regiment of Infantry, N. G., vice J. Rueger, promoted.

George E. Orton, Lieutenant-Colonel Forty-seventh Regiment of Infantry, N. G., vice I. J. Geery, resigned.

Henry B. Henderson, Major Fifty-fourth Regiment of Infantry, N. G., vice F. J. Maloney, dismissed.

David S. Brown, Lieutenant-Colonel Twenty-second Regiment of Infantry, N. G., vice J. T. Camp, resigned.

William J. A. McGrath, Major Twenty-second Regiment of Infantry, N. G., vice David S. Brown, promoted.

Frederick C. Schoen, Major Fifty-fourth Regiment of Infantry, N. G., vice H. B. Henderson, failed to qualify.

John McShea, Jr., Lieutenant-Colonel Eighty-third Regiment of Infantry, N. G., resigned April 18, 1871.

John C. Perry, Lieutenant-Colonel Eighty-third Regiment of Infantry, N. G., vice John McShea, Jr., resigned.

George W. Marlett, Major Eighty-third Regiment of Infantry, N. G., vice John C. Perry, promoted.

John Peattie, Major Twenty-sixth Battalion of Infantry, N. G.; original vacancy.

Thomas Dempsey, Lieutenant-Colonel Sixty-ninth Regiment of Infantry, N. G., vice A. P. Hargons, resigned.

Joseph A. Gault, Lieutenant-Colonel Seventy-fourth Regiment of Infantry, N. G., resigned June 23, 1871.

Lewis M. Evans, Lieutenant-Colonel Seventy-fourth Regiment of Infantry, N. G., vice Joseph A. Gault, resigned.

William B. Sirret, Major Seventy-fourth Regiment of Infantry, N. G., vice Lewis M. Evans, promoted.

John G. Farnsworth, Colonel Tenth Regiment of Infantry, N. G., resigned July 29, 1871.

Daniel S. Benton, Colonel Tenth Regiment of Infantry, N. G., vice J. G. Farnsworth, resigned.

John Burn, Lieutenant-Colonel Tenth Regiment of Infantry, N. G., vice D. S. Benton, promoted.

Edward K. Rogers, Major Tenth Regiment of Infantry, N. G., vice John Burn, promoted.

Frederick Vilmar, Colonel Eleventh Regiment of Infantry, N. G., vice Augustus Funk, promoted.

Joseph Erbelding, Major Battalion of Artillery, Twenty-fifth Brigade, N. G., vice M. R. Quinn, commission vacated.

Frederick W. Obernier, Lieutenant-Colonel Twenty-eighth Regiment of Infantry, N. G., vice Adam Schepper, resigned.

Anthony Wills, Major Twenty-eighth Regiment of Infantry, N. G., vice Frederick W. Obernier, promoted.

James Randall, Colonel Fifty-first Regiment of Infantry, N. G., vice Gustavus Sniper, resigned.

Henry C. Allewelt, Lieutenant-Colonel Fifty-first Regiment of Infantry, N. G., vice James Randall, promoted.

Herman Michels, Major Fifty-first Regiment of Infantry, N. G., vice H. C. Allewelt, promoted.

John K. Perley, Colonel First Regiment of Infantry, N. G., resigned July 31, 1871.

Jacob H. Meech, Colonel Eighty-sixth Regiment of Infantry, N. G., resigned September 20, 1871.

J. G. Baetzel, Colonel Fifty-fourth Regiment of Infantry, N. G., resigned October 16, 1871.

Joseph Fleischel, Major First Regiment of Cavalry, N. G., resigned October 30, 1871.

George D. Wolcott, Lieutenant-Colonel Seventy-first Regiment of Infantry, N. G., resigned November 15, 1871.

Gustavus Sniper, Colonel Fifty-first Regiment of Infantry, N. G., resigned November 25, 1871.

William H. Lamb, Colonel One Hundred and Third Regiment of Infantry, N. G., resigned November 27, 1871.

Edwin J. Loomis, Colonel One Hundred and Third Regiment of Infantry, N. G., vice William H. Lamb, resigned.

Frederick A. Mason, Colonel Thirteenth Regiment of Infantry, N. G., resigned December 18, 1871.

John E. Bendix, Colonel Fifth Regiment of Infantry, N. G., resigned December 18, 1871.

William Atkinson, Major Eighty-fourth Regiment of Infantry, N. G., resigned December 23, 1871.

Respectfully, your obedient servant,

JAMES McQUADE,

*Brevet Major-General, Inspector-General.*

(L.)

# REPORT OF THE PAYMASTER-GENERAL.

STATE OF NEW YORK—PAYMASTER-GENERAL'S OFFICE,
ALBANY, *January* 1*st*, 1872.

To His Excellency JOHN T. HOFFMAN,
*Governor and Commander-in-Chief:*

SIR.—I have the honor to report that there was disbursed through this department for the year ending December 31, 1871, in payment of bounties, the sum of two thousand two hundred and thirty dollars.

The number of applications for bounties was 380, of which but thirty-three were allowed and paid. Many of the applications were for small balances due, and in sums from ten to sixty-five dollars.

The details of the payments will be found in the following tables.

Respectfully submitted by your obedient servant,

GEORGE J. MAGEE,
*Paymaster-General.*

| | Disbursements. | | Amount on Hand. | |
|---|---|---|---|---|
| | Gov. Morgan's Proclamation, July 17, 1862. | Chapter 184, Laws of 1863. | Gov. Morgan's Proclamation, July 17, 1862. | Chapter 184, Laws of 1863. |
| January | $50 00 | $200 00 | $1,750 00 | $4,750 00 |
| February | ..... | 160 00 | | |
| March | 25 00 | 225 00 | | |
| April | ..... | 290 00 | | |
| May | 50 00 | 225 00 | | |
| June | 50 00 | 150 00 | | |
| July | ..... | 85 00 | | |
| August | ..... | 150 00 | | |
| September | ..... | 225 00 | | |
| October | ..... | 225 00 | | |
| November | ..... | 120 00 | | |
| December | ..... | ..... | | |
| Total | $175 00 | $2,055 00 | 175 00 | 2,055 00 |
| | | | $1,575 00 | $2,695 00 |
| | | | | 1,575 00 |
| On deposit in New York State National Bank, Dec. 31, 1871. | ..... | ..... | ..... | $4,270 00 |

*Amount of bounties paid by State, to January 1st, 1872.*

| | |
|---|---|
| By Col. George Bliss, Jr | $3,436,300 00 |
| By Col. John D. Van Buren | 5,554,370 00 |
| By Gen. S. E. Marvin | 27,059,859 37 |
| By Gen. Dudley Olcott | 27,991 50 |
| By Gen. George J. Magee | 9,605 00 |
| Total | $36,088,125 87 |

# REPORT

OF THE

## BOARD FOR THE EXAMINATION OF BREECH-LOADING RIFLE MUSKETS.

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Office of Board on Breech-Loading Muskets,
State Arsenal, New York City, *October* 28, 1871.

To His Excellency John T. Hoffman, *Governor:*

Governor.—The board of officers appointed by the following general orders:

General Head-Quarters—State of New York,
Adjutant-General's Office, Albany, *May* 24, 1871.

General Orders,
No. 11.

The Adjutant-General, the Inspector-General, and the Chief of Ordnance, are hereby constituted a board to examine into the merits of various kinds of breech-loading rifle muskets, and to report the result of such examination to the Governor.

By order of the Commander-in-Chief.

FRANKLIN TOWNSEND,
*Adjutant-General.*

have the honor to submit the following report:

Shortly after the promulgation of these orders, the board caused the following notice to be advertised in the principal daily newspapers of the State, for a sufficient time to give it full publicity.

[Copy of General Orders, No. 11.]

In compliance with the above order, the undersigned will meet at the State arsenal, in the city of New York, on Wednesday, June 7th, at ten o'clock, a. m., to commence such examination, and will then and there receive such breech-loading rifle muskets as may be submitted to them for that purpose.

FRANKLIN TOWNSEND,
*Adjutant-General.*

JAMES McQUADE,
*Inspector-General.*

SAMUEL WM. JOHNSON,
*Chief of Ordnance.*

In accordance with this notice, the board assembled at the State arsenal, in New York city, on the 7th day of June, 1871, all the members being present.

The following arms were received:

One (1) Roberts (new), presented by Gen. B. S. Roberts, Washington, D. C.

One (1) Roberts (transformed), presented by Gen. B. S. Roberts, Washington, D. C.

One (1) Brown (new) presented by Asa Farr, 136 Chambers street, New York city.

One (1) Green, presented by J. Durell Green, Cambridge, Mass.

One (1) Peabody, presented by M. F. Benton, 11 Warren street, New York city.

One (1) Conroy, presented by W. Schotte, 350 Pearl street, New York city.

One (1) Barnekoy-Green, presented by S. W. Green, 89 Liberty street, New York city.

One (1) Wohlgenmuth, presented by F. Wohlgenmuth 89 Clinton place, New York city.

One (1) Ward-Burton, presented by Gen. W. G. Ward, 54 Wall street, New York city.

One (1) Williamson, presented by E. A. Morris 18 Platt street, New York city.

One (1) Whitney, presented by E. Whitney, President, New Haven, Conn.

One (1) Kentucky Rifle, presented by Merwin and Hulbert 83 Chambers street, New York city.

One (1) Berdan (Slam Bang), presented by C. L. Perkins, President, 31 New street, New York city.

One (1) Berdan (Russian pattern), presented by C. L. Perkins, President, 31 New street, New York city.

One (1) Joslyn-Tomes, presented by B. F. Joslyn, 6 Maiden lane, New York city.

One (1) Springfield (Allin patent), presented by R. H. Strahan, 43 Pine street, New York city.

One (1) Remington (Spanish Cal. .43) quadrangular bayonet.
One (1) " " Cal. .50) "
One (1) " " Cal. .50) triangular bayonet,
One (1) " " Cal. .50) " presented by Colonel W. C. Squire, 193 Broadway, New York city.

One (1) Needham, presented by H. D. Johnson, Jr., 312 Third avenue, New York city.

One (1) Broughton, presented by W. M. Clark, 856 Broad street, Newark, N. J.

After careful examination and full explanation by the exhibitors of the various arms submitted, the Board selected from among them those which, in their opinion, were best adapted to the use of the National Guard, and caused circulars to be sent to the owners asking proposals to furnish the State with fifteen thousand (15,000) new arms of their respective models, and to receive an equal number of the Springfield rifle muskets, caliber fifty-eight, now in the hands of the National Guard, at such price as might be deemed favorable, in part payment therefor.

Proposals were received from the owners or representatives of the following guns: The Remington, Springfield, Ward-Burton, Conroy, Brown, Whitney, Joslyn-Tomes, Peabody.

The proposals were as follows:

| GUN. | Cost of new arms. | Allowance for old arms. | Net cost. |
|---|---|---|---|
| Remington | $18 00 | $5 50 | $12 50 |
| Springfield (Allin) | 19 00 | 5 00 | 14 00 |
| Conroy | 19 00 | 3 00 | 16 00 |
| Brown | 21 25 | 5 00 | 16 25 |
| Ward-Burton | 18 75 | 2 10 | 16 65 |
| Peabody | 17 00 | ..... | ..... |
| Whitney | 21 00 | 3 00 | 18 00 |
| Joslyn-Tomes | 24 00 | 1 00 | 23 00 |

The proposal of the agent of the Peabody gun was defective, in failing to fix a price for the Springfield muskets owned by the State.

It will be seen that the Remington gun was offered at the lowest net price.

The Board resolved to regard the bids as confidential until the rendition of this report.

Circulars soliciting proposals were forwarded on the 16th of June. The proposals were received on or before the 23d day of June, and were forwarded sealed to Albany, where they were opened by the Adjutant-General in the presence of the other members of the Board, at a meeting held for that purpose on the 23d of June. The Board then adjourned for the purpose of affording the representatives of the various arms an opportunity to perfect the improvements which they desired to make, and to remedy some defects which had been pointed out in certain arms by members of the Board.

The Board reassembled at the State arsenal in New York city on the 1st day of September. General Townsend being absent

in Europe, Colonel J. B. Stonehouse, Assistant Adjutant-General appeared in his stead. They examined such improved arms as had been presented during the recess. It was resolved to institute a series of tests, substantially in accordance with the formula of the St. Louis Board, at the Springfield National Armory (the consent of the proper authorities having been obtained for that purpose), and on the 2d of September notice was served on the representatives of the arms selected to forward the arms they desired to have tested to the Springfield armory, so that the time of trial might be fixed. Advices of the shipment of the following arms, viz.: Remington, Peabody and Ward-Burton, having been received, the Board fixed upon September 22d as the day for the initiation of the tests, and (having given proper notice to the representatives of these arms) assembled at Springfield for that purpose.

The Springfield arm was entered for competition, and fired by an employè of the United States National Armory, at the request of the Board. The Conroy gun was not received until after the commencement of the experiments.

The result of the various tests to which the arms were subjected will be found in the record hereto appended. The salt water test was made at the State arsenal in New York city.

The representatives of the arms tested were afforded every opportunity to display the merits of their respective systems, to point out the alleged defects of competing guns, and to demonstrate, by actual test, the superiority claimed for each in any particular.

The experiments resulted satisfactorily, and demonstrated that all the arms possess great merit in point of accuracy, durability and facility of manipulation. In fact, were the choice of an arm to be determined by the actual result of the experiments upon the arms themselves, the Board would have great difficulty in arriving at a decision, all the arms having undergone the various tests without injury, and, unexceptionally, to the satisfaction of the Board.

In arriving at the recommendation embodied in this report, the Board considered, primarily, the relative merits of the various systems presented, as regards strength, durability, accuracy, and simplicity of mechanism, and liability to accident in the hands of troops who might be comparatively inexpert in the use of arms; secondarily, economy, rendered necessary by the limitation of the appropriation for their purchase, and, in view of the urgent necessity for the immediate procurement of breech-loaders for the National Guard, the ability to furnish the requisite number within a short time.

The Board recommend, unanimously, the adoption of the Remington Rifle Musket, of the improved model manufactured for, and submitted to, this Board (loading at assimilated half-cock, locking the breech-piece in the act of loading, withdrawing the firing-pin by a positive motion, and ejecting the shell on opening the breech), as the best arm, in all respects, for the use of the National Guard of the State of New York.

In order to make it conform to the caliber used by the United States government, the Board recommend the adoption of the 50-100 caliber, although, but for this consideration, and as an independent proposition, they would prefer the 433-1000 caliber.

The Board consider the Springfield, Peabody and Ward-Burton guns especially worthy of attention and consideration. They all possess great merit, and are of undoubted excellence.

The representative of the Conroy gun was not prepared to submit that arm to the regular series of tests at Springfield, and the partial test incorporated in the record herewith submitted, was made at the New York arsenal, when the salt water and sand test was made.

The Roberts gun was also tested partially at the same time. The result is included in the record.

The Conroy gun has many commendable features, is simple in construction, and susceptible of easy and rapid manipulation.

The Board regret that the cost of the arms and the inability of their owners to furnish them within the period fixed for ultimate delivery, prevented the selection of several meritorious guns for the test, to which those preferred were subjected. The Whitney gun, particularly, which is similar in construction to the Remington, was among the best submitted; but these considerations precluded its selection for experiment with the others.

Among those which commended themselves to the Board, as presenting several excellent points, were the Barnekoy-Green, the Joslyn-Tomes and the Brown guns.

The Duval gun, exhibited at Springfield by Mr. Prentice of Montreal, possesses many good qualities. It is simple in construction and easy of manipulation, but was not fired because of the inability of the exhibitor to procure suitable ammunition.

The Winchester repeating rifle was tested and exhibited at Springfield, but was not entered for competition. The tests, however, are incorporated in the accompanying record. The Board take occasion to say that, under the skillful manipulation of Mr. Addis, this celebrated arm maintained its well established reputation.

The Board desire to express their obligation to Lieutenant Henry Metcalfe, U. S. A., commanding the Springfield national armory during the illness of Colonel Benton, for the extension of complete facilities for conducting their experiments, and take great pleasure in acknowledging his uniformly considerate courtesy.

Respectfully submitted.

JAMES McQUADE,
*Brevet Major-General, Inspector-General.*
SAMUEL WM. JOHNSON,
*Brigadier-General and Chief of Ordnance.*
J. B. STONEHOUSE,
*Colonel and Assistant Adjutant-General.*

Received November 1, 1871, and approved. Issue order accordingly.

JOHN T. HOFFMAN.

General Head-quarters,
State of New York, Adjutant-General's Office,
Albany, *November* 1, 1871.

General Orders,
No. 22.

The Board appointed by General Orders No. 11, current series, "to examine into the merits of various kinds of breech-loading rifle muskets," having reported to the Governor the result of such examination, and recommended the adoption of the Remington rifle musket, improved model, for the use of the National Guard, the same is hereby approved and confirmed.

By order of the Commander-in-Chief.

J. B. STONEHOUSE,
*Assistant Adjutant-General.*

## TESTS.

It was determined by the Board that the arms presented should be subject to the following tests, viz.:

1st. *Rapidity of Fire.*—Test: The gun to be fired from the shoulder, and the number of shots in a minute noted.

2d. *Accuracy of Fire.*—Test: Twenty shots to be fired from the shoulder at a target 100 yards distant, twenty shots from rest at distance of 300 yards, and twenty shots from rest at 700 yards.

3d. *Effect of sand and dust on breech mechanism and working of the arm.*—Test: Eight shots to be fired; then fine, dry sand to be sifted over the breech mechanism when closed, and eight shots fired; then fine, dry sand to be sifted over the same parts when open, and nine shots fired; the sand to be removed in each case by shaking the piece, or using only the hand; the piece then to be examined and cleaned.

4th. *Effect of defective ammunition.*—Test: The arm to be fired with six cartridges, rendered defective in the following manner: 1st. One cut longitudinally from the end of the case to the rim, and placed in the chamber with the cut upward. 2d. One cut longitudinally from the end of the case to the rim, and placed in the chamber with the cut downward. 3d. One to be cut helically from the end of the rim. 4th. One to be cut at the base, so that the firing-pin in firing will pierce it. 5th. One to be pierced through the base at four points. 6th. One to be filed through the rim.

5th. *Effects of salt water.*—Test: The arm to be placed for three hours in brine covering the breech mechanism and chamber; then to be exposed in the open air until the next day, and fifty shots to be fired.

6th. *Simplicity of construction.*—Test: The arm to be dismounted and assembled, and time occupied in each operation noted, and the arms to be examined with regard to the effect of the several tests on the mechanism of the gun.

## RESULT OF TESTS.

### REMINGTON. CALIBER .50, WITH EXTRACTOR AND LOCKING DEVICE.

*Rapidity of fire.*

First trial, fourteen shots in one minute; second trial, sixteen shots in one minute; third trial, sixteen shots in one minute. Berdan cartridge.

*Accuracy of fire.*

One hundred yards, see target No. 1. Three hundred yards, see target No. 2. Seven hundred yards, see target No. 3.

*Effects of sand and dust.*

After the last sanding, the arm worked stiff for one or two shots, otherwise the gun worked well, no perceptible injury to breech mechanism.

*Effects of defective ammunition.*

No discharge of gas until the sixth cartridge was fired, when there was sufficient to slightly cloud a piece of white paper placed over the breech block during the firing, no perceptible injury to mechanism.

*Effects of salt water.*

On attempting to fire the first cartridge it was discovered that the firing pin was broken. A new pin was put in place and the gun again placed in salt water, and exposed in the open air the prescribed time,* the piece was then fired, working rather stiff, and the extractor failed to throw out five or six shells.

*Simplicity of construction.*

The piece was dismounted and found to be uninjured by the several tests. It was dismounted in fifteen seconds and assembled in fifty-nine seconds.

SPRINGFIELD. CALIBER, .50.

*Rapidity of fire.*

First trial, broke firing pin; second trial, eighteen shots in one minute; third trial, seventeen shots in one minute. (Berdan cartridge.)

*Accuracy of fire.*

One hundred yards, see target No. 4. Three hundred yards, see target No. 5. Seven hundred yards, see target No. 6.

*Effect of sand and dust.*

The piece worked stiffly for two or three shots after second sanding, with this exception it worked well.

*Effect of defective ammunition.*

No escape of gas until No. 6, when a few small particles of powder were visible on the white paper placed over breech block.

* This gun was not cleaned before placing in salt water and exposing it to the atmosphere a second time.

*Effect of salt water.*

Not very much rusted. Gun worked well.

*Simplicity of construction.*

The gun was dismounted, examined and found uninjured. It was dismounted in forty-five seconds and assembled in sixty-one seconds.

WARD-BURTON. CALIBER, .50.

*Rapidity of fire.*

First trial, eighteen times in a minute; second trial, twenty times in a minute; third trial, twenty-one and one miss fire (Berdan cartridges).

*Accuracy of fire.*

One hundred yards, see target No. 7. Three hundred yards, see target No. 8. Seven hundred yards, see target No. 9.

*Effects of sand and dust.*

After last sanding the two first cartridges placed in gun, could not be discharged. With this exception of being a little stiff, the gun worked well.

*Effects of defective ammunition.*

After No. 6 there was sufficient escape of gas to cloud very slightly a portion of the white paper placed over the breech.

*Effects of salt water.*

The bolt was considerably rusted, causing it to work rather tight for one or two firings. Afterward worked well.

*Simplicity of construction.*

The piece was dismounted in five and a half seconds and assembled in sixteen seconds. It was examined when dismounted, and found to have sustained no injury from the several tests.

PEABODY. CALIBER, .43.

*Rapidity of fire.*

First trial, eighteen shots in one minute; second trial, twenty-five shots in one minute; third trial, was not fired.

*Accuracy of fire.*

One hundred yards, see target No. 10. Three hundred yards, see target No. 11. Seven hundred yards, see target No. 12.

*Effects of sand and dust.*

No perceptible difference in the working of the gun, excepting perhaps a very little stiffness.

*Effects of defective ammunition.*

After No. 3 the extractor did not withdraw cartridges. No escape of gas perceptible on the paper.

*Simplicity of construction.*

The piece was dismounted and found uninjured by the several tests. It was dismounted in twenty-five seconds and assembled in forty-five seconds.

WINCHESTER MAGAZINE GUN. CALIBER, .43.

This gun was tested only for rapidity of fire, making twenty-three shots in a minute, and from magazine, thirty-seven shots and three miss-fires in a minute; and for accuracy of fire, at 100 yards, see target No. 13.

CONROY. CALIBER, .43.

*Rapidity of fire.*

First trial, sixteen shots in a minute; second trial, not fired; third trial, not fired

*Accuracy of fire.*

Not tested.

*Effects of sand and dust.*

After second sanding the piece was worked with great difficulty; the insertion, discharge and extracting of shells of the few first cartridges occupied considerable time.

*Effects of salt water.*

Not much rusted and gun worked well.

*Simplicity of construction.*

Not tested.

ROBERTS. CALIBER, .50.

*Rapidity of fire.*

First trial, seventeen shots in a minute; second trial, not fired; third trial, not fired.

*Accuracy of fire.*

Not tested.

*Effects of sand and dust.*

Gun was operated with great difficulty, lever was bent in closing breech, and cartridge could not be extracted without using the ramrod.

*Effects of salt water.*

The gun being nickle-plated, was rusted but little and worked without difficulty.

*Simplicity of construction.*

Not tested.

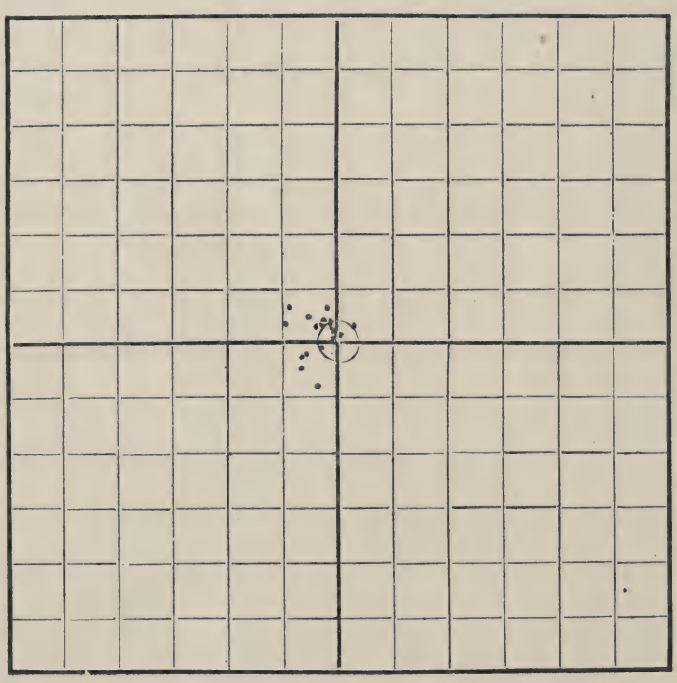
Two other Remington guns were presented to tne Board; one without locking device or extractor, calibre, 43 (Spanish gun); the other with locking device differing from the one first mentioned in the report. These arms were not subjected to all the tests, but such trial as was made of them proved that they withstood the tests equally well with the arm reported upon herein. Targets Nos. 14 and 15 are those of the Remington arm, caliber, '43, at 300 and 700 yards respectively.

In the Peabody gun a piece of wood was inserted in rear of firing pin so as to render it immovable; in this condition the gun could not be fired.

## No. 1.—Target Record, "Remington Locking Rifle." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 5.5 | ..... | ..... | 7.5 | 3.48 | ..... | ..... | 3.1 | Fired by Mr. Smoot. |
| 2 | 7.5 | ..... | ..... | 2.0 | 5.48 | ..... | 2.4 | ..... | |
| 3 | 3.5 | ..... | ..... | 2.5 | 1.48 | ..... | 1.9 | ..... | |
| 4 | 5.0 | ..... | ..... | 4.0 | 2.98 | ..... | .4 | ..... | |
| 5 | 4.5 | ..... | ..... | 3.5 | 2.48 | ..... | .9 | ..... | |
| 6 | 3.5 | ..... | 4.0 | ..... | 1.48 | ..... | 8.4 | ..... | |
| 7 | ..... | 2.0 | ..... | 7.5 | ..... | 4.02 | ..... | 3.1 | |
| 8 | 3.0 | ..... | ..... | 2.5 | .98 | ..... | 1.9 | ..... | |
| 9 | 1.0 | ..... | 1.0 | ..... | ..... | 1.02 | 5.4 | ..... | |
| 10 | ..... | 10.0 | ..... | 4.0 | ..... | 12.02 | .4 | ..... | |
| 11 | ..... | 1.5 | ..... | 3.5 | ..... | 3.52 | .9 | ..... | |
| 12 | ..... | 5.5 | ..... | 8.5 | ..... | 7.52 | ..... | 4.1 | |
| 13 | 4.0 | ..... | 0.5 | ..... | 1.98 | ..... | 4.9 | ..... | |
| 14 | 3.0 | ..... | ..... | 6.5 | .98 | ..... | ..... | 2.1 | |
| 15 | 7.0 | ..... | ..... | 11.0 | 4.98 | ..... | ..... | 6.6 | |
| 16 | 3.5 | ..... | ..... | 12.0 | 1.48 | ..... | ..... | 7.6 | |
| 17 | ..... | 2.5 | ..... | 8.0 | ..... | 4.52 | ..... | 3.6 | |
| 18 | 4.0 | ..... | ..... | 0.5 | 1.98 | ..... | 3.9 | ..... | |
| 19 | 6.0 | ..... | ..... | 5.0 | 3.98 | ..... | ..... | .6 | |
| 20 | 1.0 | ..... | ..... | 5.0 | ..... | 1.02 | ..... | .6 | |
| | 62.0 | 21.5 | 5.5 | 93.5 | 33.74 | 33.44 | 31.4 | 31.4 | |
| | 2.02 | | 4.4 | | 3.39 | | 3.14 | | |

C. of I., 4.84. Absolute deviation, 4.58. Range, 100 yards.
Ammunition: Weight of ball, 450 grains. Weight of powder, 77 grains.

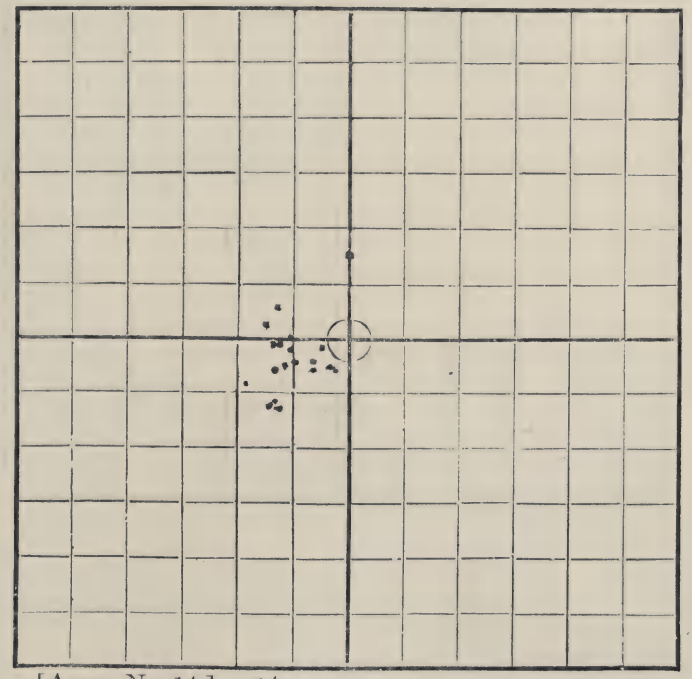


## No. 2.—Target Record, "Remington Locking Rifle." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | ..... | 15 | ..... | 18 | ..... | 11.35 | ..... | 5.95 | Fired by Mr. Smoot. |
| 2 | ..... | ..... | ..... | 7 | 3.65 | ..... | 5.05 | ..... | |
| 3 | ..... | 7 | ..... | 3 | ..... | 3.35 | 9.05 | ..... | |
| 4 | ..... | 2 | ..... | 13 | 1.65 | ..... | ..... | .95 | |
| 5 | ..... | 4 | ..... | 12 | ..... | .35 | .05 | ..... | |
| 6 | 3 | ..... | ..... | 18 | 6.65 | ..... | ..... | 5.95 | |
| 7 | 17 | ..... | ..... | ..... | 20.65 | ..... | 12.05 | ..... | |
| 8 | ..... | 4 | ..... | 9 | ..... | .35 | 3.05 | ..... | |
| 9 | ..... | 14 | ..... | 16 | ..... | 10.35 | ..... | 3.95 | |
| 10 | ..... | 15 | ..... | 15 | ..... | 11.35 | ..... | 2.95 | |
| 11 | ..... | 6 | ..... | 4 | ..... | 2.35 | 8.05 | ..... | |
| 12 | 7 | ..... | ..... | 16 | 10.65 | ..... | ..... | 3.95 | |
| 13 | ..... | ..... | ..... | 13 | 3.65 | ..... | ..... | .95 | |
| 14 | ..... | 1 | ..... | 15 | 2.65 | ..... | ..... | 2.95 | |
| 15 | ..... | 6 | ..... | 9 | ..... | 2.35 | 3.05 | ..... | |
| 16 | ..... | 2 | ..... | 6 | 1.65 | ..... | 6.05 | ..... | |
| 17 | ..... | 7 | ..... | 15 | ..... | 3.35 | ..... | 2.95 | |
| 18 | ..... | 1 | ..... | 16 | 2.65 | ..... | ..... | 3.95 | |
| 19 | ..... | 11 | ..... | 22 | ..... | 7.35 | ..... | 9.95 | |
| 20 | ..... | 5 | ..... | 14 | ..... | 1.35 | ..... | 1.95 | |
| | 27. | 100. | ..... | 241. | 53.85 | 53.85 | 46.40 | 46.40 | |
| | 3.65 | | 12.05 | | 5.385 | | 4.64 | | |

C. of I., 12.53. Absolute deviation, 7.1. Range, 300 yards.

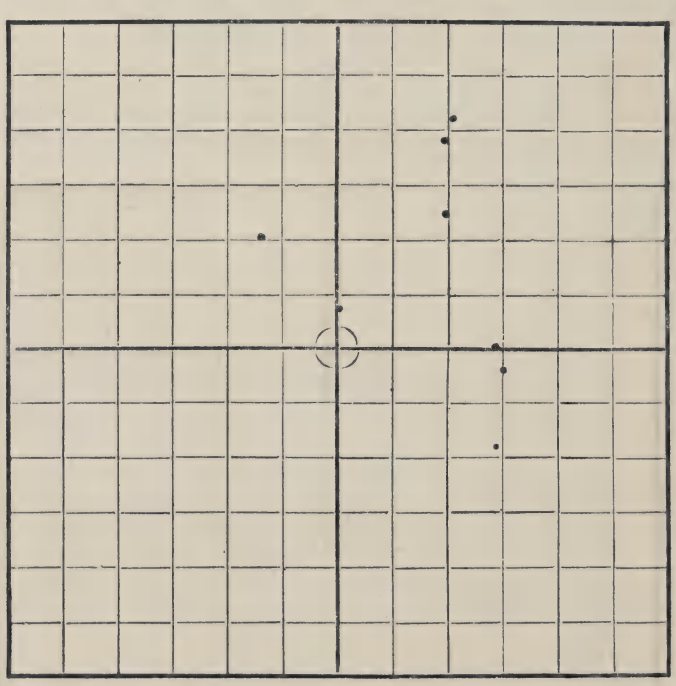
**Ammunition:** Weight of ball, 450 grains. Weight of powder, 77 grains.



## No. 3.—Target Record, "Remington Locking Rifle." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | ..... | ..... | 34 | ..... | ..... | 16.5 | 13.75 | ..... | Fired by Mr. Smoot. |
| 2 | 25 | ..... | .... | 15 | 8.5 | ..... | ..... | 35.25 | |
| 3 | 51 | ..... | 26 | ..... | 34.5 | ..... | 5.75 | ..... | |
| 4 | 46 | ..... | 23 | ..... | 29.5 | ..... | 2.75 | ..... | |
| 5 | 29 | ..... | 23 | ..... | 12.5 | ..... | 2.75 | ..... | |
| 6 | ..... | 6 | 36 | ..... | ..... | 22.5 | 15.75 | ..... | |
| 7 | ..... | Missed. | | ..... | ..... | 8.5 | ..... | ..... | |
| 8 | 8 | ..... | 1 | ..... | ..... | ..... | ..... | 19.25 | |
| 9 | ..... | Missed. | | ..... | ..... | ..... | ..... | ..... | |
| 10 | ..... | 21 | 34 | ..... | ..... | 37.5 | 13.75 | ..... | |
| | 159 | 27 | 177 | 15 | 85.0 | 85.0 | 54.50 | 54.50 | |
| | 16.5 | | 20.25 | | 21.25 | | 13.62 | | |

C. of I., 26.11 Absolute deviation, 25.23. Range, 700 yards.
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.

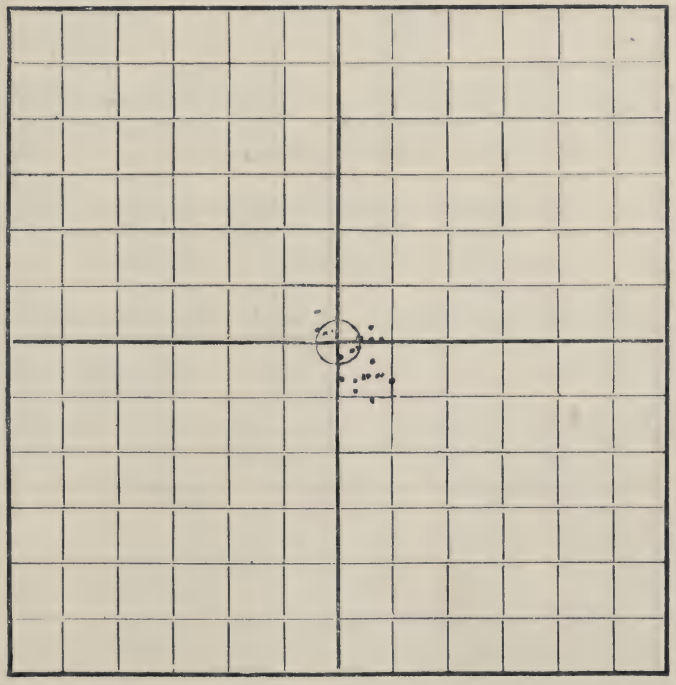


## No. 4.—Target Record, "Springfield." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 0 | 0 | 8.0 | ..... | 3.72 | ..... | 3.38 | ..... | Fired by Mr. Hare. |
| 2 | ..... | 11.0 | 4.0 | ..... | ..... | 7.28 | ..... | .62 | |
| 3 | ..... | 3.0 | 0 | 0 | .72 | ..... | ..... | 4.62 | |
| 4 | 2.5 | ..... | ..... | 5.5 | 6.22 | ..... | ..... | 10.12 | |
| 5 | ..... | 7.0 | 6.0 | ..... | ..... | 3.28 | 1.38 | ..... | |
| 6 | ..... | 4.0 | 8.0 | ..... | ..... | .28 | 3.38 | ..... | |
| 7 | 8.5 | ..... | ..... | 3.5 | 12.22 | ..... | ..... | 8.12 | |
| 8 | 0 | 0 | 10.0 | ..... | 3.72 | ..... | 5.38 | ..... | |
| 9 | ..... | 1.0 | 2.0 | ..... | 2.72 | ..... | ..... | 2.62 | |
| 10 | 0 | 0 | 4.5 | ..... | 3.72 | ..... | ..... | .12 | |
| 11 | ..... | 7.5 | 7.0 | ..... | ..... | 3.78 | 2.38 | ..... | |
| 12 | 3.0 | ..... | 8.5 | ..... | 6.72 | ..... | 3.88 | ..... | |
| 13 | ..... | 1.0 | 2.5 | ..... | 2.72 | ..... | ..... | 2.12 | |
| 14 | ..... | 9.0 | 12.0 | ..... | ..... | 5.28 | 7.38 | ..... | |
| 15 | 2.0 | ..... | ..... | 2.5 | 5.72 | ..... | ..... | 7.12 | |
| 16 | ..... | 13.0 | 7.0 | ..... | ..... | 9.28 | 2.38 | ..... | |
| 17 | ..... | 8.0 | 10.0 | ..... | ..... | 4.28 | 5.38 | ..... | |
| 18 | ..... | 8.0 | 9.5 | ..... | ..... | 4.28 | 4.88 | ..... | |
| 19 | ..... | 9.0 | 0.5 | ..... | ..... | 5.28 | ..... | 4.12 | |
| 20 | ..... | 9.0 | 4.5 | ..... | ..... | 5.28 | ..... | .12 | |
| | 16.0 | 90.5 | 104.0 | 11.5 | 48.20 | 48.30 | 39.80 | 39.70 | |
| | 3.72 | | 4.62 | | 4.82 | | 3.98 | | |

C. of I., 5.93. Absolute deviation, 6.25. Range, 100 yards.

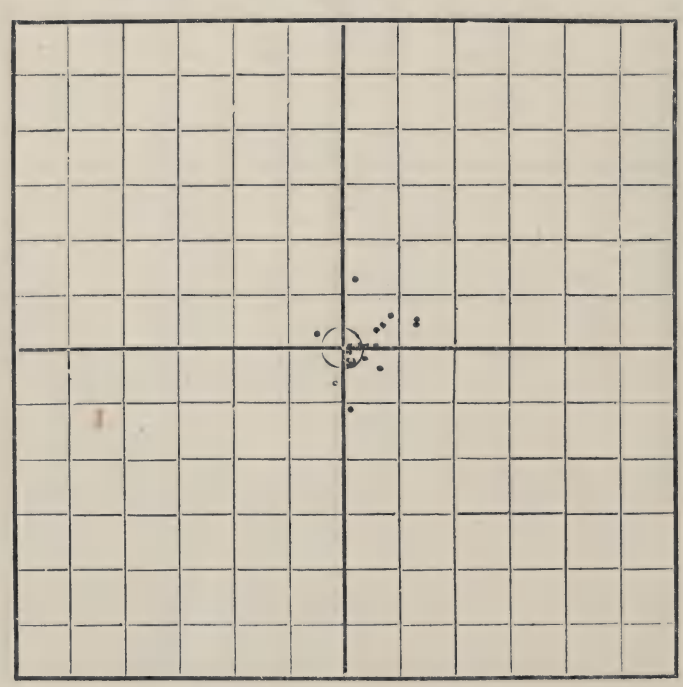
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.



## No. 5.—Target Record, "Springfield." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 6 | ..... | 10 | ..... | 6.15 | ..... | 5.8 | ..... | Fired by Mr. Hare. |
| 2 | ..... | 3 | 4 | ..... | ..... | 2.85 | ..... | .2 | |
| 3 | 4 | ..... | 15 | ..... | 4.15 | ..... | 10.8 | ..... | |
| 4 | 3 | ..... | 6 | ..... | 3.15 | ..... | 1.8 | ..... | |
| 5 | ..... | ..... | 7 | ..... | .15 | ..... | 2.8 | ..... | |
| 6 | 1 | ..... | 5 | ..... | 1.15 | ..... | .8 | ..... | |
| 7 | ..... | 9 | ..... | 1 | ..... | 8.85 | ..... | 5.2 | |
| 8 | ..... | 1 | ..... | ..... | ..... | .85 | ..... | 4.2 | |
| 9 | 5 | ..... | 7 | ..... | 5.15 | ..... | 2.8 | ..... | |
| 10 | ..... | 4 | 1 | ..... | ..... | 3.85 | ..... | 3.2 | |
| 11 | ..... | ..... | 2 | ..... | .15 | ..... | ..... | 2.2 | |
| 12 | 5 | ..... | 15 | ..... | 5.15 | ..... | 10.8 | ..... | |
| 13 | ..... | 4 | 1 | ..... | ..... | 3.85 | ..... | 3.2 | |
| 14 | 15 | ..... | 3 | ..... | 15.15 | ..... | ..... | 1.2 | |
| 15 | 3 | ..... | ..... | 7 | 3.15 | ..... | ..... | 11.2 | |
| 16 | ..... | 3 | 1 | ..... | ..... | 2.85 | ..... | 3.2 | |
| 17 | ..... | ..... | 5 | ..... | .15 | ..... | .8 | ..... | |
| 18 | ..... | 1 | 1 | ..... | ..... | .85 | ..... | 3.2 | |
| 19 | ..... | 14 | 2 | ..... | ..... | 13.85 | ..... | 2.2 | |
| 20 | ..... | 6 | 7 | ..... | ..... | 5.85 | 2.8 | ..... | |
| | 42 | 45 | 92 | 8 | 43.65 | 43.65 | 39.2 | 39.2 | |
| | .15 | | 4.2 | | 4.365 | | 3.92 | | |

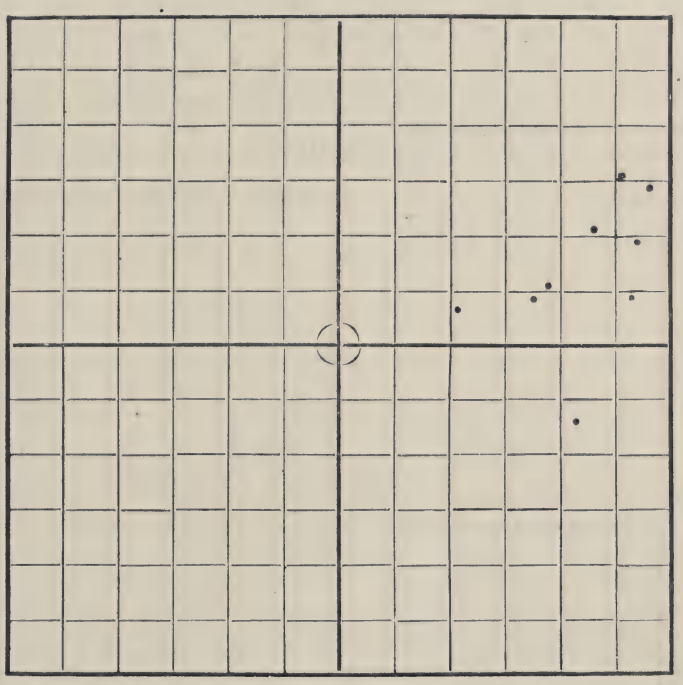
C. of I., 4.2. Absolute deviation, 5.86. Range, 300 yards.
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.



## No. 6.—Target Record, "Springfield." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 34 | ..... | 69 | ..... | 18.3 | ..... | 15.8 | ..... | Fired by Mr. Hare. |
| 2 | 23 | ..... | 65 | ..... | 7.3 | ..... | 11.8 | ..... | |
| 3 | 10 | ..... | 64 | ..... | ..... | 5.7 | 10.8 | ..... | |
| 4 | ..... | Missed. | | ..... | ..... | ..... | ..... | ..... | |
| 5 | ..... | 17 | 51 | ..... | ..... | 32.7 | ..... | 2.2 | |
| 6 | 37 | ..... | 61 | ..... | 21.3 | ..... | 7.8 | ..... | |
| 7 | 13 | ..... | 46 | ..... | ..... | 2.7 | ..... | 7.2 | |
| 8 | 10 | ..... | 42 | ..... | ..... | 5.7 | ..... | 11.2 | |
| 9 | 25 | ..... | 55 | ..... | 9.3 | ..... | 1.8 | ..... | |
| 10 | 7 | ..... | 26 | ..... | ..... | 8.7 | ..... | 27.2 | |
| | 159. | 17. | 479. | 0 | 56.2 | 55.5 | 38.0 | 37.8 | |
| | 15.7 | | 53.2 | | 12.4 | | 8.4 | | |

C. of I., 55.46. Absolute deviation, 14,97. Range, 700 yards.
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.

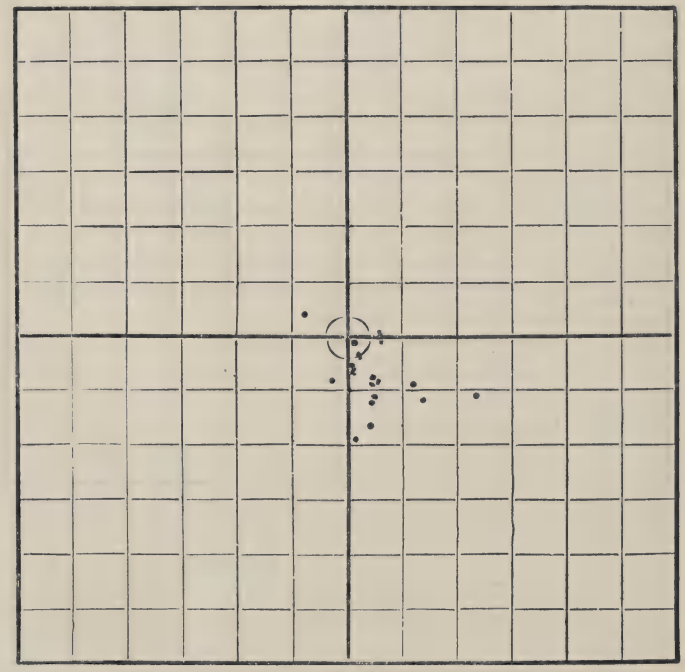


## No. 7.—Target Record, "Ward-Burton." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 3.0 | ..... | ..... | 9.5 | 12.32 | ..... | ..... | 14.67 | Fired by Mr. Keene. |
| 2 | ..... | 6.0 | 2.5 | ..... | 4.32 | ..... | ..... | 2.67 | |
| 3 | ..... | 23.5 | 1 5 | ..... | ..... | 14.18 | ..... | 3.67 | |
| 4 | ..... | 11.0 | 14.5 | ..... | ..... | 1.68 | 9.33 | ..... | |
| 5 | ..... | 10.5 | 6.0 | ..... | ..... | 1.18 | .83 | ..... | |
| 6 | ..... | 1.5 | 1 5 | ..... | 7.82 | ..... | ..... | 3.67 | |
| 7 | ..... | 14.0 | 29.5 | ..... | ..... | 4.68 | 24.33 | ..... | |
| 8 | ..... | 15.0 | 5.0 | ..... | ..... | 5.68 | ..... | .17 | |
| 9 | ..... | 6.0 | 0.5 | ..... | 3.32 | ..... | ..... | 4.67 | |
| 10 | 0.5 | ..... | 7.0 | ..... | 9.82 | ..... | 1.83 | ..... | |
| 11 | ..... | 4.0 | 2.0 | ..... | 5.32 | ..... | ..... | 3.17 | |
| 12 | ..... | 9.0 | 4.0 | ..... | .32 | ..... | ..... | 1.17 | |
| 13 | ..... | 10.5 | ..... | 4.0 | ..... | 1.18 | ..... | 9 17 | |
| 14 | ..... | 15.0 | 16.0 | ..... | ..... | 5.68 | 10.83 | ..... | |
| 15 | ..... | 1.0 | 8.0 | ..... | 8.32 | ..... | 2.83 | ..... | |
| 16 | ..... | 9.0 | 1.0 | ..... | .32 | ..... | ..... | 4.17 | |
| 17 | ..... | 21.0 | 6.0 | ..... | ..... | 11.68 | .83 | ..... | |
| 18 | ..... | 10.0 | 1.0 | ..... | ..... | .68 | ..... | 4.17 | |
| 19 | ..... | 14.0 | 6 5 | ..... | ..... | 4.68 | 1.33 | ..... | |
| 20 | ..... | 10.0 | 4.5 | ..... | ..... | .68 | ..... | .67 | |
| | 3.5 | 190.0 | 117.0 | 13.5 | 51.88 | 51.98 | 52.14 | 52.05 | |
| | 9.32 | | 5.17 | | 5.19 | | 5.21 | | |

C. of I., 10.66. Absolute deviation, 6.63. Range, 100 yards.

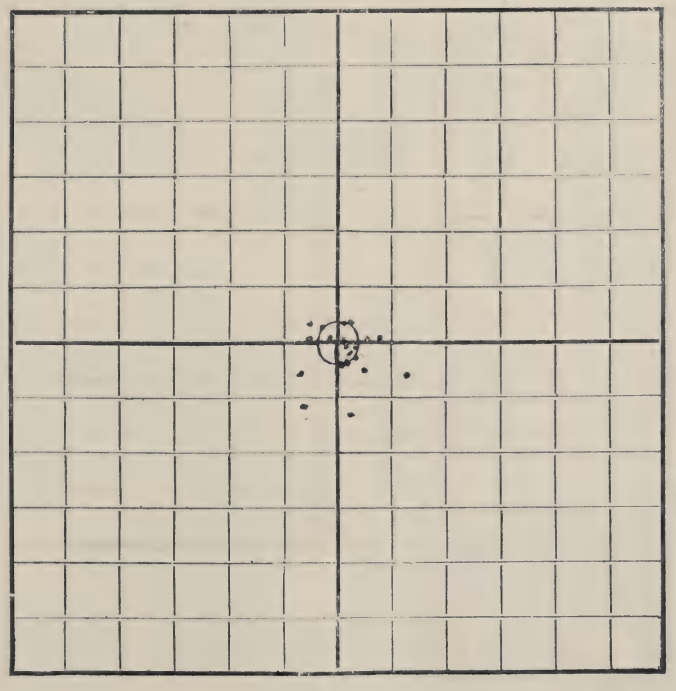
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.



## No. 8.—TARGET RECORD, "WARD-BURTON." CAL. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | ..... | 5 | 6 | ..... | ..... | 2.65 | 4.8 | ..... | Fired by Mr. Keene. |
| 2 | ..... | 1 | 3 | ..... | 1.35 | ..... | 1.8 | ..... | |
| 3 | 4 | ..... | 1 | ..... | 6.35 | ..... | ..... | .2 | |
| 4 | ..... | 4 | ..... | ..... | ..... | 1.65 | ..... | 1.2 | |
| 5 | ..... | ..... | ..... | 6 | 2.35 | ..... | ..... | 7.2 | |
| 6 | 4 | ..... | 2 | ..... | 6.35 | ..... | .8 | ..... | |
| 7 | ..... | 4 | 1 | ..... | ..... | 1.65 | ..... | .2 | |
| 8 | ..... | 6 | ..... | 9 | ..... | 3.65 | ..... | 10.2 | |
| 9 | ..... | ..... | 7 | ..... | 2.35 | ..... | 5.8 | ..... | |
| 10 | ..... | ..... | 1 | ..... | 2.35 | ..... | ..... | .2 | |
| 11 | ..... | 4 | 4 | ..... | ..... | 1.65 | 2.8 | ..... | |
| 12 | ..... | ..... | ..... | 2 | 2.35 | ..... | ..... | 3.2 | |
| 13 | ..... | 1 | 2 | ..... | 1.35 | ..... | .8 | ..... | |
| 14 | 4 | ..... | ..... | 3 | 6.35 | ..... | ..... | 4.2 | |
| 15 | ..... | 3 | 3 | ..... | ..... | .65 | 1.8 | ..... | |
| 16 | ..... | 6 | 16 | ..... | ..... | 3.65 | 14.8 | ..... | |
| 17 | ..... | 14 | ..... | 7 | ..... | 11.65 | ..... | 8.2 | |
| 18 | 4 | ..... | ..... | 9 | 6.35 | ..... | ..... | 10.2 | |
| 19 | ..... | ..... | 11 | ..... | 2.35 | ..... | 9.8 | ..... | |
| 20 | ..... | 15 | 3 | ..... | ..... | 12.65 | 1.8 | ..... | |
| | 16 | 63 | 60 | 36 | 39.85 | 39.85 | 45.0 | 45.0 | |
| | 2.35 | | 1.2 | | 3.985 | | 4.5 | | |

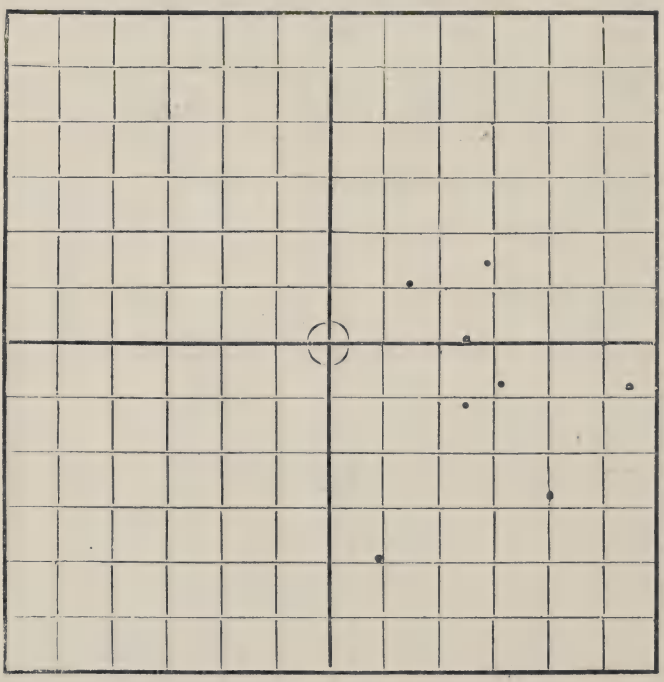
C. of I., 2.65. Absolute deviation, 6.01. Range, 300 yards. Springfield barrel.
Ammunition: Weight of ball, 450 grains. Weight of powder, 70 grains.



## No. 9.—Target Record, "Ward–Burton." Cal. .50.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right | Left. | |
| 1 | 13 | ..... | 19 | .. .. | 23.12 | ..... | ..... | 15.75 | Fired by Mr. Keene. |
| 2 | ..... | Missed | | ..... | ..... | ..... | ..... | .... | Missed, 1. |
| 3 | 1 | ..... | 30 | ... .. | 11.12 | .... | ... .. | 4.75 | |
| 4 | ..... | 9 | 38 | ..... | 1.12 | ..... | 3.25 | ..... | |
| 5 | ..... | Missed | | ..... | ..... | ..... | .... | ..... | Missed, 1. |
| 6 | ..... | 9 | 67 | .. .. | 1.12 | ..... | 32.25 | ..... | |
| 7 | ..... | 34 | 48 | ..... | ..... | 23.88 | 13.25 | ..... | |
| 8 | ..... | 14 | 31 | ..... | ..... | 3.88 | ..... | 3 75 | |
| 9 | 18 | ..... | 34 | ..... | 28.12 | ..... | ..... | .75 | |
| 10 | ... .. | 47 | 11 | ..... | ..... | 36.88 | ... .. | 23.75 | |
| | 32 | 113 | 278 | ... .. | 64.60 | 64.64 | 48.75 | 48.75 | |
| | 10.12 | | 34.75 | | 16.15 | | 12.18 | | |

C. of I., 36.18. Absolute deviation, 20.22. Range, 700 yards.
Springfield barrel. Weight of ball, 450 grains. Weight of powder, 70 grains.

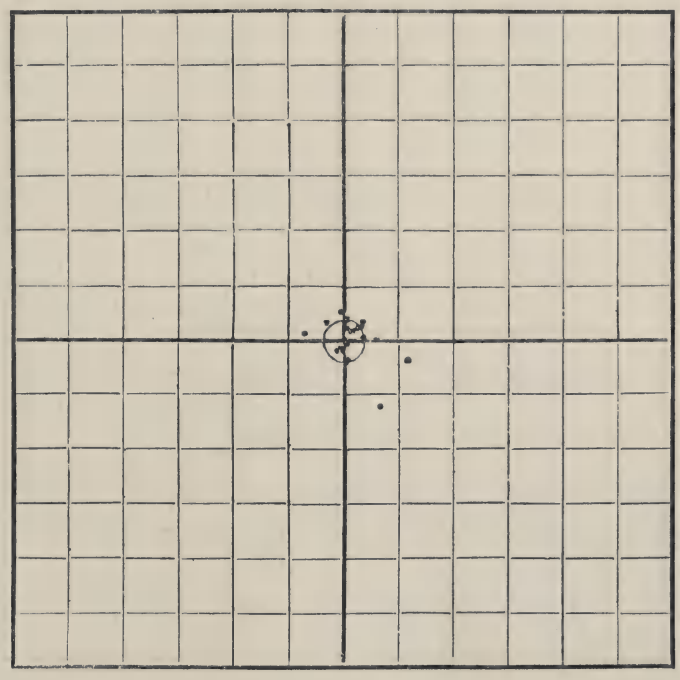


## No. 10.—Target Record, "Peabody." Cal. .43.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 2.0 | ..... | ..... | 10.0 | 1.3 | ..... | ..... | 11.55 | Fired by Mr. Wentworth |
| 2 | 0.0 | 0 | 4.5 | ..... | ..... | .7 | 2.95 | ..... | |
| 3 | ..... | 3.5 | 14.0 | ..... | ..... | 4.2 | 12.45 | ..... | |
| 4 | ..... | 15.5 | 7.5 | ..... | ..... | 16.2 | 5.95 | ..... | |
| 5 | 3.0 | ..... | 4.5 | ..... | 2.3 | ..... | 2.95 | ..... | |
| 6 | 2.5 | ..... | 2.0 | ..... | 1.8 | ..... | .45 | ..... | |
| 7 | 7.0 | ..... | ..... | 0.5 | 6.3 | ..... | ..... | 2.05 | |
| 8 | ..... | 1.5 | ..... | 1.5 | ..... | 2.2 | ..... | 3.05 | |
| 9 | .0 | .0 | 7.0 | ..... | ..... | .7 | 5.55 | ..... | |
| 10 | 4.0 | ..... | 4.5 | ..... | 3.3 | ..... | 2.95 | ..... | |
| 11 | 3.0 | ..... | 2.0 | ..... | 2.3 | ..... | .45 | ..... | |
| 12 | 5.5 | ..... | 0.5 | ..... | 4.8 | ..... | ..... | 1.05 | |
| 13 | ..... | 4.5 | .0 | .0 | ..... | 5.2 | ..... | 1.55 | |
| 14 | ..... | 2.0 | ..... | 2.0 | ..... | 2.7 | ..... | 3.55 | |
| 15 | 2.5 | ..... | 0.5 | ..... | 1.8 | ..... | ..... | 1.05 | |
| 16 | ..... | 1.5 | ..... | 1.0 | ..... | 2.2 | ..... | 2.55 | |
| 17 | ..... | 1.0 | 1.0 | ..... | ..... | 1.7 | ..... | .55 | |
| 18 | 1.5 | ..... | 2.5 | ..... | .8 | ..... | .95 | ..... | |
| 19 | 4.5 | ..... | 0 | 0 | 3.8 | ..... | ..... | 1.55 | |
| 20 | 8.0 | ..... | ..... | 4.5 | 7.3 | ..... | ..... | 6.05 | |
| | 43.5 | 29.5 | 50.5 | 19.5 | 35.8 | 35.8 | 34.65 | 34.55 | |
| | .7 above. | | 1.55 right. | | 3.58 | | 3.46 | | |

C. of I., 1.12. Absolute deviation, 4.89. Range, 100 yards.

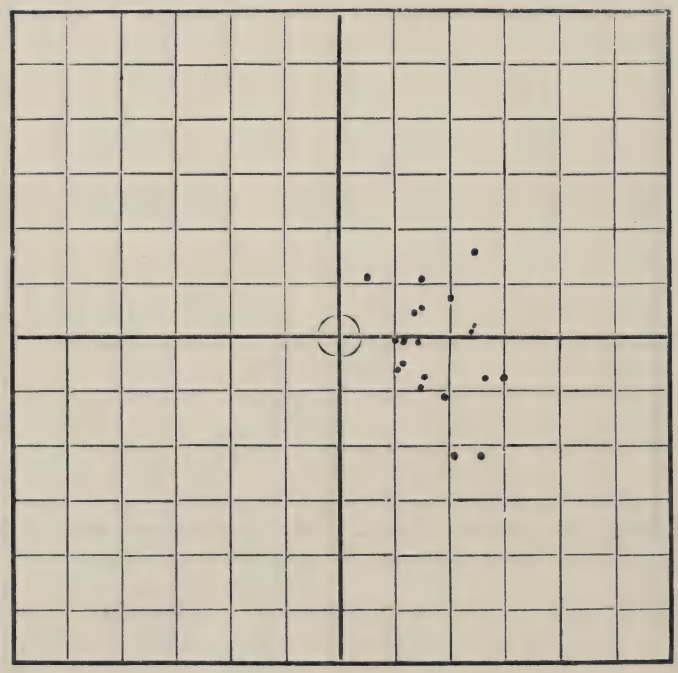
**Ammunition:** Weight of ball, 370 grains. Weight of powder, 77 grains.



## No. 11.—Target Record, "Peabody." Cal. .43.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 4 | ..... | 16 | ..... | 6.95 | ..... | ..... | 4.85 | Fired by Mr. Wentworth. |
| 2 | 18 | ..... | 29 | ..... | 20.95 | ..... | 8.15 | ..... | |
| 3 | 1 | ..... | 27 | ..... | 3.95 | ..... | 6.15 | ..... | |
| 4 | 13 | ..... | 17 | ..... | 15.95 | ..... | ..... | 3.85 | |
| 5 | ..... | 6 | 13 | ..... | ..... | 3.05 | ..... | 7.85 | |
| 6 | ..... | 10 | 20 | ..... | ..... | 7.05 | ..... | .85 | |
| 7 | ..... | 1 | 12 | ..... | 1.95 | ..... | ..... | 8.85 | |
| 8 | 7 | ..... | 19 | ..... | 9.95 | ..... | ..... | 1.85 | |
| 9 | 2 | ..... | 28 | ..... | 4.95 | ..... | 7.15 | ..... | |
| 10 | ..... | 27 | 25 | ..... | ..... | 24.05 | 4.15 | ..... | |
| 11 | ..... | 10 | 36 | ..... | ..... | 7.05 | 15.15 | ..... | |
| 12 | ..... | 27 | 31 | ..... | ..... | 24.05 | 10.15 | ..... | |
| 13 | 8 | ..... | 24 | ..... | 10.95 | ..... | 3.15 | ..... | |
| 14 | ..... | 1 | 17 | ..... | 1.95 | ..... | ..... | 3.85 | |
| 15 | ..... | 10 | 31 | ..... | ..... | 7.05 | 10.15 | ..... | |
| 16 | ..... | 12 | 17 | ..... | ..... | 9.05 | ..... | 3.85 | |
| 17 | ..... | 6 | 12 | ..... | ..... | 3.05 | ..... | 8.85 | |
| 18 | ..... | 1 | 13 | ..... | 1.95 | ..... | ..... | 7.85 | |
| 19 | 13 | ..... | 7 | ..... | 15.95 | ..... | ..... | 13.85 | |
| 20 | ..... | 14 | 23 | ..... | ..... | 11.05 | 2.15 | ..... | |
| | 66 | 125 | 417 | ..... | 95.45 | 95.45 | 66.35 | 66.35 | |
| | 2.95 | | 20.85 | | 9.545 | | 6.635 | | |

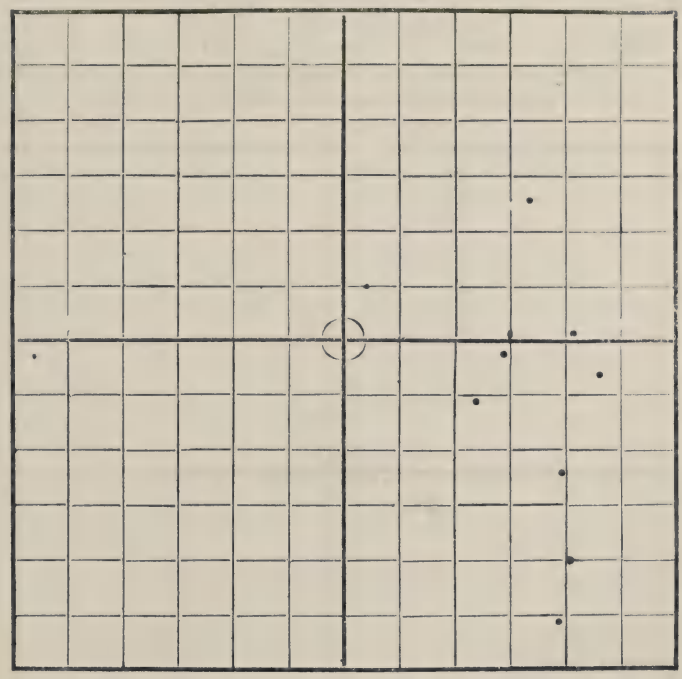
C. of I., 21.04. Absolute deviation, 11.62. Range, 300 yards.
Ammunition: Weight of ball, 370 grains. Weight of powder, 77 grains.



## No. 12.—Target Record, "Peabody." Cal. .43.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 2 | ..... | 50 | ..... | 13.3 | ..... | 10.9 | ..... | Fired by Mr. Wentworth. |
| 2 | ..... | 29 | 47 | ..... | ..... | 17.7 | 7.9 | ..... | |
| 3 | ..... | 48 | 49 | ..... | ..... | 36.7 | 9.9 | ..... | |
| 4 | ..... | 13 | 27 | ..... | ..... | 1.7 | ..... | 12.1 | |
| 5 | ..... | 61 | 46 | ..... | ..... | 49.7 | 6.9 | ..... | |
| 6 | 2 | ..... | 36 | ..... | 13.3 | ..... | ..... | 3 1 | |
| 7 | 32 | ..... | 40 | ..... | 43.3 | ..... | .9 | ..... | |
| 8 | ..... | 2 | 35 | ..... | 9.3 | ..... | ..... | 4 1 | |
| 9 | 12 | ..... | 6 | ..... | 23.3 | ..... | ..... | 33.1 | |
| 10 | ..... | 8 | 55 | ..... | 3.3 | ..... | 15.9 | ..... | |
| | 48 | 161 | 391 | ..... | 105.8 | 105.8 | 52.4 | 52.4 | |
| | 11.3 | | 39.1 | | 21.16 | | 10.48 | | |

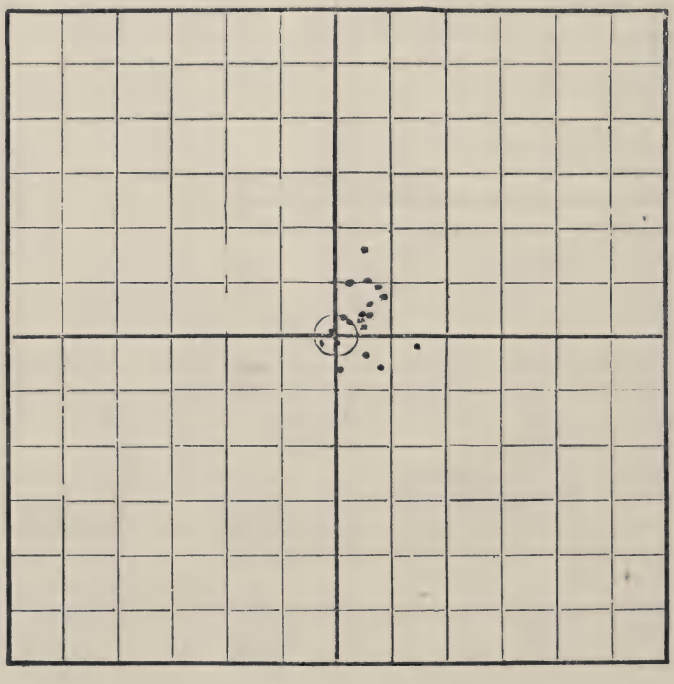
C. of I., 40.79. Absolute deviation, 23.60. Range, 700 yards.
Ammunition: Weight of ball, 370 grains. Weight of powder, 77 grains.



## No. 13.—Target Record, "Winchester." Cal. .43.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | 8.0 | ..... | 11.0 | ..... | 4.11 | ..... | 5.74 | ..... | Fired by Mr. Addis. |
| 2 | 12.0 | ..... | 3.0 | ..... | 8.11 | ..... | ..... | 2.26 | |
| 3 | 2.5 | ..... | 2.0 | ..... | ..... | 1.39 | ..... | 3.26 | |
| 4 | ..... | Missed. | | ..... | ..... | ..... | ..... | ..... | The absolute deviation in this case is only approximate. The one shot missing, vitiating the entire result. |
| 5 | 4.0 | ..... | 3.5 | ..... | 0.11 | ..... | ..... | 1.76 | |
| 6 | ..... | 8.0 | 10.0 | 3.0 | ..... | 11.89 | 4.74 | ..... | |
| 7 | ..... | 1.0 | ..... | ..... | ..... | 4.89 | ..... | 8.26 | |
| 8 | 4.5 | ..... | 6.0 | ..... | 0.61 | ..... | 0.74 | ..... | |
| 9 | ..... | 8.0 | ..... | ..... | ..... | 11.89 | ..... | 5.26 | |
| 10 | ..... | 2.0 | ..... | ..... | ..... | 5.89 | ..... | 5.26 | |
| 11 | 2.0 | ..... | 5.5 | ..... | ..... | 1.89 | 0.24 | ..... | |
| 12 | 11.0 | ..... | 10.0 | ..... | 7.11 | ..... | 4.74 | ..... | |
| 13 | ..... | 3 5 | 7.0 | ..... | ..... | 7.39 | 1.74 | ..... | |
| 14 | 2.0 | ..... | 18.0 | ..... | ..... | 1.89 | 12.74 | ..... | |
| 15 | 9.0 | ..... | 7.5 | ..... | 5.11 | ..... | 2.24 | ..... | |
| 16 | 0.5 | ..... | ..... | 0.5 | ..... | 3.39 | ..... | 5.76 | |
| 17 | 6.5 | ..... | 5.0 | ..... | 2.61 | ..... | ..... | 0.26 | |
| 18 | 4.0 | ..... | 1.5 | ..... | 0.11 | ..... | ..... | 3.76 | |
| 19 | 12.5 | ..... | 7.5 | ..... | 8.61 | ..... | 2.24 | ..... | |
| 20 | 18.0 | ..... | 6.0 | ..... | 14.11 | ..... | 0.74 | ..... | |
| | 96.5 | 22.5 | 103.5 | 3.5 | 50.60 | 50.51 | 35.90 | 35.84 | |
| | 3.89 | | 5.26 | | 5.32 | | 3.77 | | |

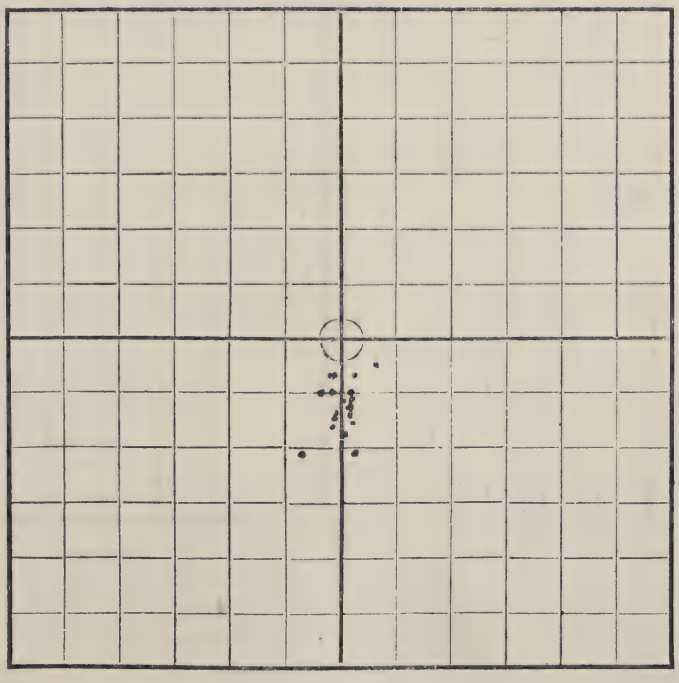
C. of I., 6.54. Absolute deviation, 6.52. Range, 100 yards.



## No. 14.—Target Record, "Remington." Cal. .42.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | ..... | 15.0 | 2.0 | ..... | ..... | .15 | 2.175 | ..... | |
| 2 | ..... | 12.0 | 1.5 | ..... | 2.85 | ..... | 1.675 | ..... | |
| 3 | ..... | 17.0 | ..... | 1.5 | ..... | 2.15 | ..... | 1.325 | |
| 4 | ..... | 12.0 | ..... | 1.5 | 2.85 | ..... | ..... | 1.325 | |
| 5 | ..... | 9.0 | ..... | 1.0 | 5.85 | ..... | ..... | .825 | |
| 6 | ..... | 9.0 | 2.0 | ..... | 5.85 | ..... | 2.175 | ..... | |
| 7 | ..... | 19.0 | 2.5 | ..... | ..... | 4.15 | 2.675 | ..... | |
| 8 | ..... | 6.0 | 8.5 | ..... | 8.85 | ..... | 8.675 | ..... | |
| 9 | ..... | 14.0 | .0 | .0 | .85 | ..... | ..... | .175 | |
| 10 | ..... | 15.0 | 1.0 | ..... | ..... | .15 | 1.175 | ..... | |
| 11 | ..... | 12.0 | ..... | 4.5 | 2.85 | ..... | ..... | 4.325 | |
| 12 | ..... | 21.0 | ..... | 2.0 | ..... | 6.15 | ..... | 1.825 | |
| 13 | ..... | 25.0 | ..... | 10.0 | ..... | 10.15 | ..... | 9.825 | |
| 14 | ..... | 9.0 | ..... | 2.5 | 5.85 | ..... | ..... | 2.325 | |
| 15 | ..... | 17.0 | ..... | 1.5 | ..... | 2.15 | ..... | 1.325 | |
| 16 | ..... | 17.0 | ..... | 1.5 | ..... | 2.15 | ..... | 1.325 | |
| 17 | ..... | 16.0 | 2.0 | ..... | ..... | 1.15 | 2.175 | ..... | |
| 18 | ..... | 13.0 | 1.0 | ..... | 1.85 | ..... | 1.175 | ..... | |
| 19 | ..... | 18.0 | 2.0 | ..... | ..... | 3.15 | 2.175 | ..... | |
| 20 | ..... | 21.0 | 0 | .0 | ..... | 6.15 | ..... | .175 | |
| | ..... | 297.0 | 22.5 | 26.0 | 37.65 | 37.65 | 24.075 | 24.075 | |
| | 14.85 | | 0.175 | | 3.765 | | 2.41 | | |

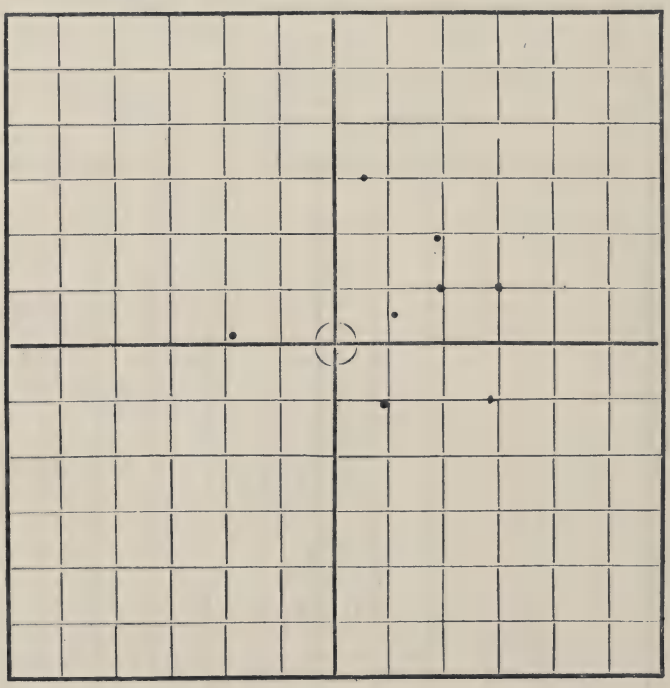
C. of I., 14.8. Absolute deviation, 4.47. Range, 100 yards.
Ammunition: Weight of ball, 370 grains. Weight of powder, 77 grains.



## No. 15.—Target Record, "Remington." Cal. .43.

| No. of shots. | Distances from center of target in inches. | | | | Distances from center of impact in inches. | | | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|
| | Vertical. | | Horizontal. | | Vertical. | | Horizontal. | | |
| | Above. | Below. | Right. | Left. | Above. | Below. | Right. | Left. | |
| 1 | ..... | 12 | 34 | ..... | ..... | 20.25 | 18.5 | ..... | Fired by Mr. Smoot. |
| 2 | 22 | ..... | 22 | ..... | 13.75 | ..... | 6.5 | ..... | |
| 3 | 12 | ..... | 23 | ..... | 3.75 | ..... | 7.5 | ..... | |
| 4 | ..... | 13 | 11 | ..... | ..... | 21.25 | ..... | 4.5 | |
| 5 | 2 | ..... | ..... | 22 | ..... | 6.25 | ..... | 37.5 | |
| 6 | 7 | ..... | 14 | ..... | ..... | 1.25 | ..... | 1.5 | |
| 7 | ..... | Missed | | ..... | ..... | ..... | ..... | ..... | Missed, 1. |
| 8 | 36 | ..... | 6 | ..... | 27.75 | ..... | ..... | 9.5 | |
| 9 | ..... | Missed | | ..... | ..... | ..... | ..... | ..... | Missed, 1. |
| 10 | 12 | ..... | 36 | ..... | 3.75 | ..... | 20.5 | ..... | |
| | 91 | 25 | 146 | 22 | 49.00 | 49.00 | 53.0 | 53.0 | |
| | 8.25 | | 15.5 | | 12.25 | | 13.25 | | |

C. of I., 17.55. Absolute deviation, 18.02. Range, 700 yards.
Ammunition: Weight of ball, 370 grains. Weight of powder, 77 grains.



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